

Panasonic

Factory Use

Factory Tool Lineup
2024



Panasonic

Panasonic Corporation
1006, Kadoma, Osaka 571-8501, Japan

Due to ongoing product development specifications are subject to change without notice
Product colors may vary slightly from those pictured in catalog

Assembly line innovation by Panasonic

3 key concepts of Panasonic assembly tools

Quality
(Torque Control)

User-Friendly
(Safety/Comfort)

Eco-Friendly
(Energy Saving/
Long Life)



Powering Excellence through our tools

With our unwavering commitment to quality, User-Friendly, and Eco-Friendly tools, we are converging these 3 concepts to redefine the industry standard, one tool at a time. At the heart of our innovation lies a dedication to empowering user's full control of their work.

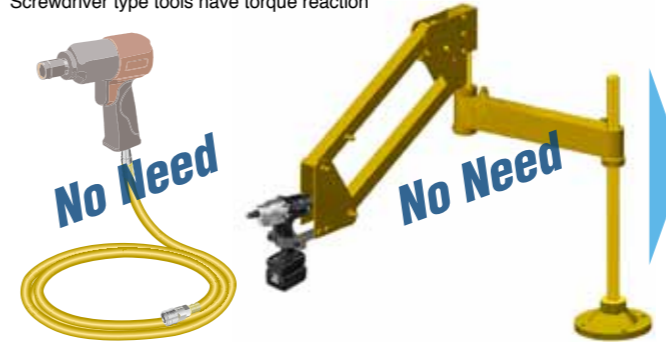


Cordless and No Reaction Benefits

Panasonic cordless and *virtually no reaction tools eliminate air hoses and reaction arms, and bring huge benefits.

- Greater flexibility in the design and layout of assembly area.
- Increase operator's safety and comfort.
- Reduce product mutilations.

* Screwdriver type tools have torque reaction



Extensive Torque Control Tools Line-up

Panasonic offers advanced cordless tools which can cover up-to 650N·m torque control applications.

Transducerized Mechanical Pulse Tools

- Torque Value, Angle Value, Fastening Curve and Other Traceability Data Output
- Advanced Fastening Features
- Line-up for M8~M14 Fasteners



Shut-off Impact Tools

- Snug Torque Detection Mode
- Torque Adjustment/ Consistent Pulse Control
- Advanced Fastening Features
- Line-up for M5~M24 Fasteners



Precision Screwdriver (with Clutch)

- ±10%, Cmk 1.67 *(ISO5393)
- Advanced Fastening Features
- Line-up for M5~M6 Fasteners



* In 3N·m range. Measured with the maximum RPM setting

Wireless Communication System

- Advanced wireless controller/ qualifier line-up for your needs
- Options of Traceability and Pokayoke



Less Running Cost and Long Life Technology

Panasonic maximize lifetime benefits from a tool.

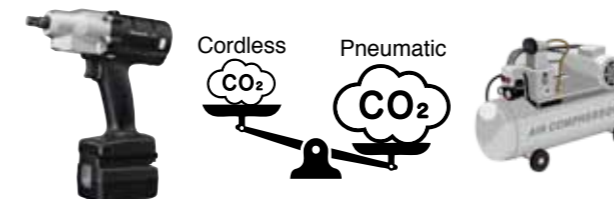
No Oil Change

Mechanical pulse block requires no oil change and can make stable torque.



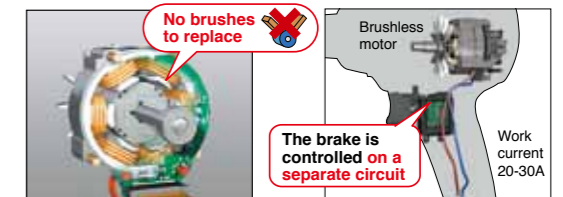
Minimum Energy Consumption

Battery operated tools don't require air-compressor which consumes large energy.



Durable Design

Panasonic tools designed for heavy duty industry use, such as *1 twice the life switch and motor, shock absorbing floating connector and *2 wear-resistant needle bearing.



Brushless motor

New hybrid switch




























Floating Connector














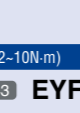
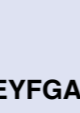
Needle Bearing

*1 Compared with Panasonic's brush motor and non-hybrid switch.
*2 There are models which doesn't have the needle bearing.

Panasonic Assembly Tools Line-up

Recommended Bolt Size		M5	M6	M8	M10	M12	M14	M16	M18	M20	M24
Torque Control Tool Intelligent Auto-Shut Off Function 	Precision Shut-off Impact Tools	 10.8V (Shut-Off Range: 3-20N·m) EYFLF1XA P.19 EYFLF1XC P.19	 10.8V (Shut-Off Range: 6-35N·m) EYFLF2XA P.19 EYFLF2XC P.19								
		 10.8V (Shut-Off Range: 3-22N·m) EYFLA7A P.23		 14.4V (Shut-Off Range: 25-120N·m) EYFMA2C P.24							
		 10.8V (Shut-Off Range: 6-30N·m) EYFLA8A P.23 EYFLA8C P.23									
		 10.8V (Shut-Off Range: 20-60N·m) EYFLA9C P.24									
		 10.8V (Shut-Off Range: 1.5-8N·m) EYFLA4AVA P.27									
	Shut-off Impact Tools	 10.8V (Shut-Off Range: 2-15N·m) EYFLA4AVB P.27									
		 10.8V (Shut-Off Range: 3-22N·m) EYFLA4A P.27		 14.4V (Shut-Off Range: 25-100N·m) EYFMA1J P.28							
		 10.8V (Shut-Off Range: 6-30N·m) EYFLA5A P.27 EYFLA5Q P.27			 18V (Shut-Off Range: 70-200N·m) EYFNA1C P.29						
		 10.8V (Shut-Off Range: 16-53N·m) EYFLA6J P.28				 21.6V (Shut-Off Range: 160-650N·m) EYFPA1J P.30					
		 14.4V (Shut-Off Range: 10-53N·m) EYFME1C P.32									
Precision Screwdriver	 14.4V (Shut-Off Range: 2-10N·m) EYFGA1N P.42 EYFGA2N P.42 EYFGA3N P.42										
No Torque Control Tool 	 10.8V (Low Noise) EYFLG1XA P.20 EYFLG1XC P.20										
	 10.8V (Low Noise) EYFLG2XA P.20 EYFLG2XC P.20										
	 10.8V EYFLB1A P.37										
	 10.8V EYFLC1A P.38		 10.8V EYFLB3A P.37 EYFLB3J P.37								
	 10.8V EYFLB2A P.37 EYFLB2Q P.37										
				 14.4V EYFMB1B P.38 EYFMB1J P.38							

Panasonic Assembly Tools Line-up with Wireless Communication

Recommended Bolt Size	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24												
Traceability Tool with Wireless Communication Traceability Data Management Wireless Communication Intelligent Auto-Shut Off Function 	Transducerized Mechanical Pulse Tools																					
															 14.4V (Shut-Off Range: 50-120N·m) EYFMH2WC P.11							
														 14.4V (Shut-Off Range: 20-60N·m) EYFMH1WC P.11		 NEW 18V (Shut-Off Range: 70-220N·m) EYFNH1WC P.12						
Torque Control Tool with Wireless Communication Wireless Communication Intelligent Auto-Shut Off Function 	Shut-off Impact Tools																					
												 10.8V (Shut-Off Range: 3-22N·m) EYFLA4AR P.35			 14.4V (Shut-Off Range: 25-100N·m) EYFMA1JR P.36							
													 10.8V (Shut-Off Range: 6-30N·m) EYFLA5AR P.35	 10.8V (Shut-Off Range: 6-30N·m) EYFLA5QR P.35								
Precision Screwdriver 	Precision Screwdriver																					
												 14.4V (Shut-Off Range: 2-10N·m) EYFGA1NR P.43	 14.4V (Shut-Off Range: 2-10N·m) EYFGA2NR P.43	 14.4V (Shut-Off Range: 2-10N·m) EYFGA3NR P.43								



Transducerized Mechanical Pulse Wrench achieves both fastening quality and work efficiency!



Torque and Angle Monitoring

Max. Shut-Off Torque
EYFMH: 120 N·m
NEW EYFNH: 220 N·m

Panasonic Unique Technologies for Mechanical Pulse Torque Sensing

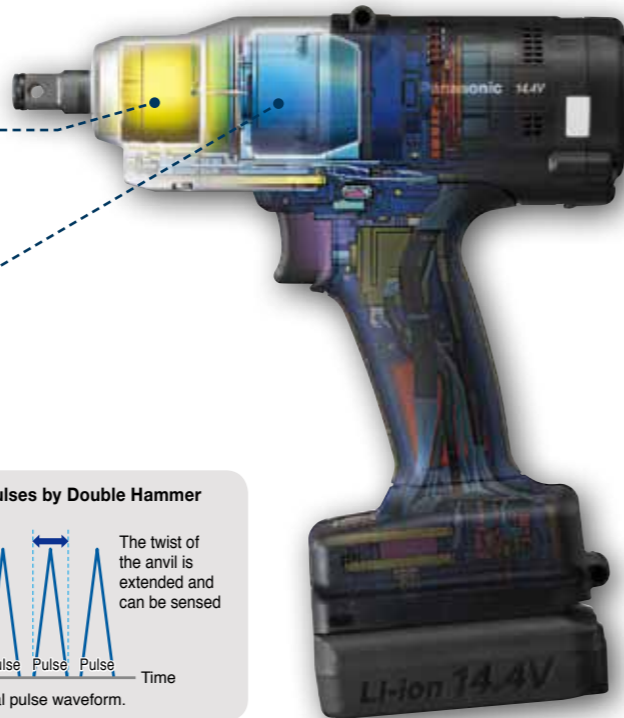
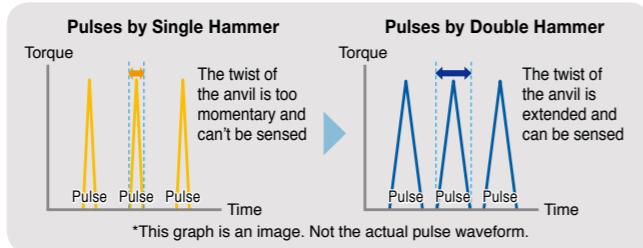
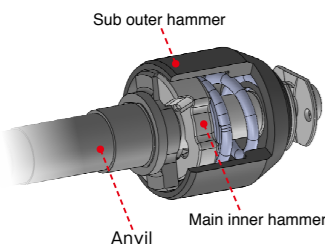
Unique High Sensitivity Torque Transducer

The transducer has high sensitivity to reliably measure the instantaneous torque at the pulses and high durability with non-contact structure which can't be worn out or damaged by the pulses.

*The transducer senses the torsional torque of the anvil.

Unique Double Hammer with Optimum Pulse Behavior for Torque Sensing

Realize torque sensing with mechanical pulse tools by extending the twisting time of the anvil with continuous pulses of the main-hammer and sub-hammer.



Advanced Traceability Data Management

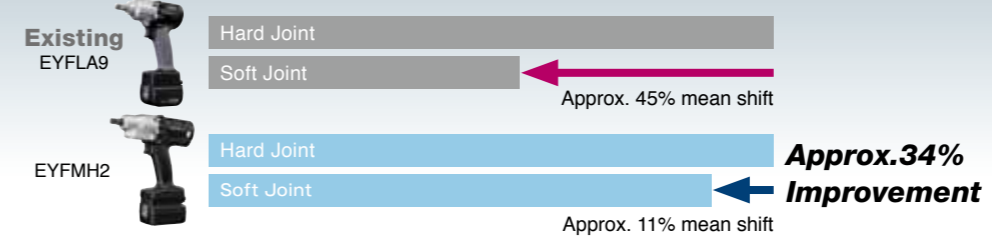
The tool can output torque value, angle value, fastening curve and other traceability data to PC · Tablet or your assembly management system.



Accurate Fastening Performance

Less Mean-Shift (Bolt size: M12 Target torque: 71Nm)

Mean-shift is reduced by the torque sensing. In addition, the tool can offset the mean-shift by its unique algorithm.



*The values in this chart were measured under Panasonic measuring condition and are provided only for reference purpose. Actual tightening torque may vary with ambient conditions.

Validation Data (Socket length: 40mm) (only for reference purpose)

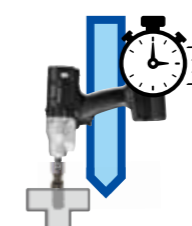
Model	Joint	Socket length	Bolt Size	Target	1	2	3	4	5	26	27	28	29	30	Average	Accuracy
14.4V EYFMH2	Hard	40mm	M10	50Nm	50	52	51	53	51	51	52	52	49	50	51.8	5.3%
			M12	80Nm	81	82	83	83	82	84	83	80	82	83	81.2	7.1%
18V EYFNH1 New	Hard	40mm	M12	70Nm	72	73	76	75	76	71	70	72	73	75	72.0	9.6%
			M14	140Nm	138	139	137	142	145	144	138	135	142	133	137.6	8.0%
			M16	190Nm	199	191	182	188	192	194	187	191	184	191	190.2	7.3%

*The values in this chart were measured under Panasonic measuring condition and are provided only for reference purpose. Actual tightening torque may vary with ambient conditions.

High Work Efficiency and Low Running Cost



Up to 120Nm fastening with *1.85kg light weight body! Possible to use with one hand.
*with EYFB41 battery pack



Powerful mechanical pulse for **speedy fastening even after snug!**
The tool can be used with confidence even in quick tack time.



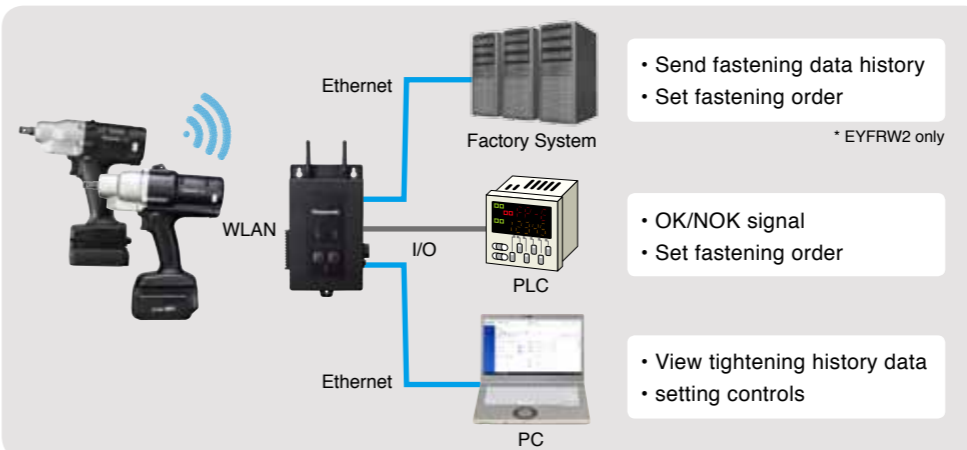
No Need
The tool causes **no reaction** and doesn't require reaction arm.

No oil in the pulse block and no worry for interruption due to its overheat even in **continuous rundowns**



No Need
Mechanical pulse block requires **no oil** change and can make stable torque.

System Diagram



*USB Type-C is a trademark of USB Implementers Forum.

More Features



Tightening Confirmation Lamp
Multiple lamps can be seen from various angles.



LED Light
For operations in dimly lit place.



Horizontal hanging (EYFNH, EYFMH) / Upside down hanging (EYFMH only)

Tool Hanger
The tool can be hung on a balancer both horizontally and upside down with accessory tool hanger.



Color Plate for Differentiation
Each tool model is color coded for easy identification.



USB Connection
Easy connection with PC · tablet using "USB Type-C" on the tool.

14.4V Electronic Mechanical Pulse Wrench and Wireless Communication

Electronic Mechanical Pulse Wrench	
EYFMH1WC	EYFMH2WC
<div style="display: flex; justify-content: space-between;"> 14.4V Brushless Motor </div> <p>Wireless Communication</p>  <div style="display: flex; justify-content: space-between;"> 4.0Ah 2.0Ah </div> <p><small>*Battery pack is not included</small></p>	



Chuck / Anvil type		12.7mm Sq. drive Retainer ring and Pin-hole	
Application		M8 bolt (Tensile bolt) M10 bolt (Normal bolt)	M10 bolt (Tensile bolt) M12 bolt (Normal-Tensile bolt) M14 bolt (Normal bolt)
Shut-off range		20 ~ 60 Nm	50 ~ 120 Nm
No load speed (unit : rpm)		0 ~ 2,300 (Max. rpm is adjustable from 1,500 to 2,300 in 100 increments)	
Impact per minutes		0 ~ 2,700	0 ~ 2,600
Weight** (inc. battery)	EYFB43B	2.05kg	
	EYFB41B	1.8kg	
Size	Length	215mm	
	Height	246mm (EYFB41), 264mm (EYFB43)	
	Width	61mm (Width of battery pack: 75mm)	
Function	Torque result	√	
	Angle result	√	
	Fastening curve	√	
	Number of preset	Wireless Communication Mode: 5 (with EYFRW2), Standalone Mode: 1	
	Data storage	√ (Standalone Mode: approx. 45,000 history data can be stored in case of 1.2 sec. fastening work)	
	Wireless communication	√ (IEEE802.11a/b/g/n)	
	USB connection	√ (USB Type-C™)	
	Advanced fastening features	√ (For details of the feature, Please refer to page 7)	
Auto battery shutdown		√	
Work capacity / Fastening speed (approx.)		<M8: 23Nm> (EYFB43) (EYFB41) 940 pcs/pack 490 pcs/pack 0.5 sec/1pcs 0.5 sec/1pcs <M10: 43Nm> (EYFB43) (EYFB41) 670 pcs/pack 350 pcs/pack 0.7 sec/1pcs 0.7 sec/1pcs	<M12: 71Nm> (EYFB43) (EYFB41) 450 pcs/pack 230 pcs/pack 0.9 sec/1pcs 0.9 sec/1pcs
Charging time (approx.)		(Battery Pack EYFB43B, Charger EY0L82B) Usable Charge: 45min, Full Charge: 60min (Battery Pack EYFB41B, Charger EY0L82B) Usable Charge: 35min, Full Charge: 40min	

<Optional Accessory>

14.4V Li-Ion Battery Pack
EYFB43B, EYFB41B



Charger
EY0L82B



Protector for Battery
EYFA04-H (gray)
EYFA06-H (gray)



Tool Hanger
EYFA40B



USB cable (1m)
EYFMH1XL701W



Protector for Tool
EYFA14
-A (blue), -Y (yellow)
-H (gray), -D (orange)
-G (green)



18V Electronic Mechanical Pulse Wrench

Electronic Mechanical Pulse Wrench	
EYFNH1WC	
<div style="display: flex; justify-content: space-between;"> 18V Brushless Motor </div> <p>Wireless Communication</p>  <div style="display: flex; justify-content: space-between;"> 5.0Ah </div> <p><small>*Battery pack is not included</small></p>	



Chuck / Anvil type		12.7mm Sq. drive Retainer ring and Pin-hole	
Application		M12 · M14 bolt (Tensile bolt) M16 · M18 bolt (Normal bolt)	
Shut-off range		70-220 Nm	
No load speed (unit : rpm)		0-1,900 rpm (Max. rpm is adjustable from 1,300 to 1,900 in 100 rpm increments)	
Impact per minutes		0 ~ 2,400	
Weight** (inc. battery)	EYFB50B	3.35kg	
Size	Length	265mm	
	Height	294mm (EYFB50)	
	Width	76mm (Width of battery pack: 76mm)	
Function	Torque result	√	
	Angle result	√	
	Fastening curve	√	
	Number of preset	Wireless Communication Mode: 5 (with EYFRW2), Standalone Mode: 1	
	Data storage	√ (Standalone Mode: approx. 45,000 history data can be stored in case of 1.2 sec. fastening work)	
	Wireless communication	√ (IEEE802.11a/b/g/n)	
	USB connection	√ (USB Type-C™)	
	Advanced fastening features	√ (For details of the feature, Please refer to page 7)	
Auto battery shutdown		√	
Work capacity / Fastening speed (approx.)		<M12: 100Nm> (EYFB50) approx. 500 pcs/pack approx. 1.0 sec/1pcs	
Charging time (approx.)		(Battery pack EYFB50B, Charger EY0L82B) Usable Charge: 65 min. Full Charge: 80 min	

<Optional Accessory>

18V Li-Ion Battery Pack
EYFB50B



Charger
EY0L82B



Protector for Battery
EYFA10-H (gray)



Tool Hanger
EYFA41B



USB cable (1m)
EYFMH1XL701W



Protector for Tool
EYFA16
-A (blue), -Y (yellow)
-H (gray), -D (orange)
-G (green)



WLAN Controller with Maximum 8 Tools Simultaneous Control Capability



Various control of tools is possible without external equipment

Batch	Job	Sequence
<p>Continuous work with 1 tool and 1 torque setting</p> <p>Up to 5 batches can be registered for a tool</p>	<p>Continuous work with 1 tool and multiple torque settings</p> <p>Ex.1 Multiple fastening works with different target torques</p> <p>Ex.2 Multiple fastening works with different bolt lengths</p> <p>Ex.3 Mix of pre-fastening and final fastening</p> <p>Up to 10 steps (batches) can be set for a job</p> <p>Up to 5 jobs can be registered for a tool</p>	<p>Continuous work with multiple tools and multiple torque settings</p> <p>Ex.1 Multiple fastening works with multiple bolt sizes</p> <p>Ex.2 Multiple fastening works which can not be covered with a single tool torque range</p> <p>1st tool: EYFMH1 (20-60Nm)</p> <p>2nd tool: EYFMH2 (50-120Nm)</p> <p>Up to 10 steps (batches/jobs) can be set for a sequence</p> <p>Up to 5 sequences can be registered in a controller</p>

Various Technologies for Stable Wireless Communication

Recommended range
 approx **16m** 2.4GHz
 Recommended range
 approx **10m** 5GHz

Support both 2.4GHz and 5GHz frequency

To avoid interference, the frequency can be selected according to the usage environment. There is also an auto channel function that automatically selects an empty channel.

High efficiency antenna design

Stable communication performance is achieved by the highly efficient antenna design (average -5dBi) of the diversity antenna on the controller and the transmission module on the tool. Demonstrates high performance with various tool positions and directions.

Safety function in case of communication disconnection

Work history data can be backed up in the tool and resent to the controller even when communication is temporarily disconnected, allowing work to continue.

High security

Communication data is encrypted and protected by TLS.

Setting and viewing from a web browser

Tool/controller settings and work history data viewing can be done from a web browser. No software installation required on your PC.



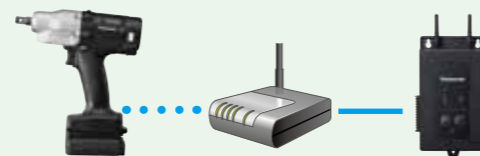
Maximum 8 tools simultaneous control

Simultaneously control the operations of up to 8 tools and collect work history data.



WLAN access point compatible

Supports communication via general WLAN access points. Tools can be used regardless of where the controller is installed.



Compatible models: IEEE.802.11a/b/g/n compliant WLAN access points

Model	EYFRW2
Communication data	• OK/NOK • Torque value • Angle value • Fastening curve
Rated supply voltage	AC100-240V 50-60Hz
Communication method	WLAN (IEEE802.11a/b/g/n)
Frequency band	(European nations, Turkey, Malaysia, Indonesia, Thailand, India) 2.412-2.472GHz / 5.180-5.240GHz (North America, Canada, China, South Korea) 2.412-2.462GHz / 5.180-5.240GHz
Channel	(European nations, Turkey, Malaysia, Indonesia, Thailand, India) 2.4GHz band: 1ch - 13ch / 5GHz band: 36,40,44,48ch (North America, Canada, China, South Korea) 2.4GHz band: 1ch - 11ch / 5GHz band: 36,40,44,48Ch
Recommended range	2.4GHz band: *approx. 16m / 5GHz band: *approx. 10m
No. of connectable devices	Maximum 8 tools
Input/output terminal (I/O)	Input: 8 / Output: 8
Power consumption	approx. 30W
Dimensions (L x H x W)	approx. 239mm x approx. 150mm x approx. 41mm (Height including antenna: approx. 281mm)
Weight	550g (Main body only)
Communication interface	• Ethernet x 2 • USB-A x 1 • RS232C x 1
Communication protocol	OpenProtocol
Data storage	Approx. 200,000 history data (Including fastening curve)
Optional accessory	• Controller stand • AC adapter
Compatible tools	EYFMH1WC, EYFMH2WC, EYFNH1WC

* Communication range varies with operating environment. The presence of metal walls, people, or other objects may result in decreased range.

<Optional Accessory>

Controller stand
WEYFRW1F7001



AC adapter (NA)
WEYFRW1K7651 (EU, TUR, THA, IDN)
WEYFRW1K7751 (GBR, MYS)
WEYFRW1K7851 (CHN)
WEYFRW1K7951 (KOR)
WEYFRW1K7051 (IND)
WEYFRW1K7151



Controller Management Software

Optional software is available for managing traceability data from up to 10 controllers



What you can do with the controller management software

1 Fastening History Data Management



Maximum 40 million fastening history data collected from up to 10 controllers (80 tools) can be stored in one software. Your PC doesn't have to be in the same place with the controllers when the PC and controllers are in the same local area network.

2 Fastening History Data Analysis



The worst 5 tools with the highest NOK rate or number of reverse fastenings (reworks) can be shown and you can easily find the bottleneck tasks. Trend changes in torque, fastening time, number of rotation in a fastening, and OK rate can be monitored over time.

3 Tool Status Management



You can record the usage history of the tools such as its start date of use, cumulative number of fastening works and latest repair date. Also, torque check history of the tools can be recorded as the evidence of the tool performance check.



● Operating environment and specifications <Controller Management Software>

Model		EYASW1B
Operating environment	Compatible OS	Windows10 (64 bit) or later
	Compatible PC (CPU)	2.0 GHz, 4 or 2 cores, 4 or more logical processors
	Storage	8 GB or more
	Recommended hard disk capacity	SSD 100 GB or more
	Recommended resolution	1024 × 768 or more
	Interface	Optical drive (for software installation) USB Type-A (for license authentication) Ethernet port (for communication with a controller)
	Software environment	.NET Core 3.1
Specifications	Number of storable data	Maximum 40 million fastening history data
	Number of registrable controllers	Maximum 10 controllers
	Security	USB key activation
	Supported language	English, Japanese
	Standard accessory	USB dongle key × 1
	Applicable controllers	EYFRW2 *Including varieties

Low Noise Impact Wrench

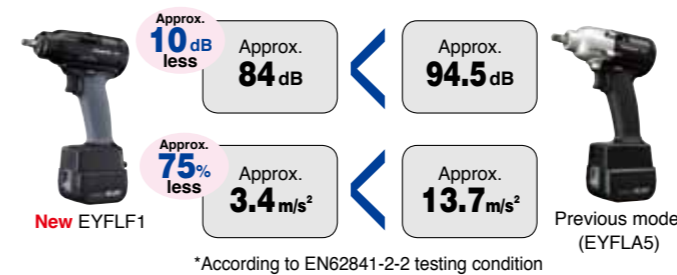
Realize serial and continuous fastening with reduced noise of metal hammer blows!

Reduces the noise level by approx. 10dB

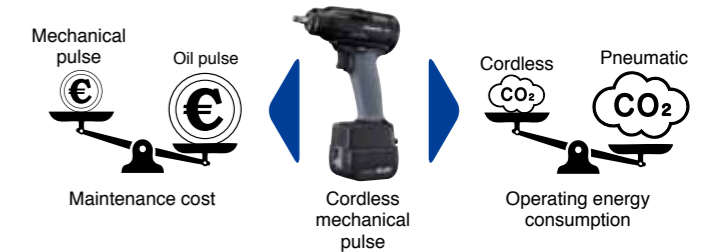


Features / Benefits

Less noise and vibration for improved working environment

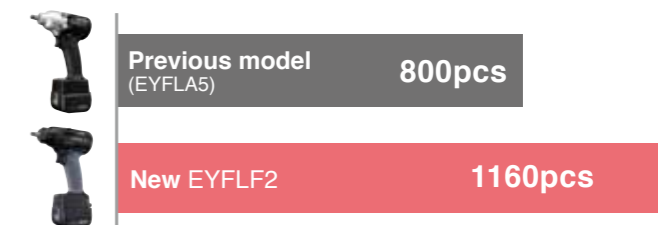


Less running cost, eco-friendly



More work capacity per one charge by improved mechanical pulse efficiency

Approx. 1.5 times more work capacity



* According to Panasonic internal measurement condition with battery pack EYFB30, M8 and tightening torque 23 Nm.

Increased productivity with serial fastening capability



Panasonic New Mechanical Pulse Technology for Lower Noise

Highly durable split anvil shaft provides reduction of pulse noise.

Patent pending

Conventional Anvil Shaft
Vibration from the tool is directly transmitted to the tip of the anvil.



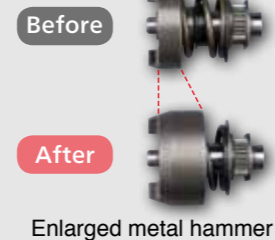
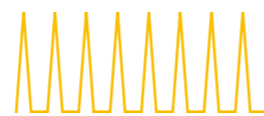
New Split Anvil Shaft
Anvil splits absorb and reduce vibration from the tool.



Enlarged metal hammer reduces pulse noise level and vibration due to lower pulse frequency.

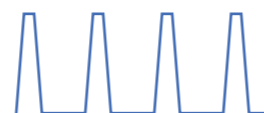
Patent pending

Conventional Hammer
The clamping force of one pulse is small and more pulses are needed to complete a fastening.



Enlarged metal hammer

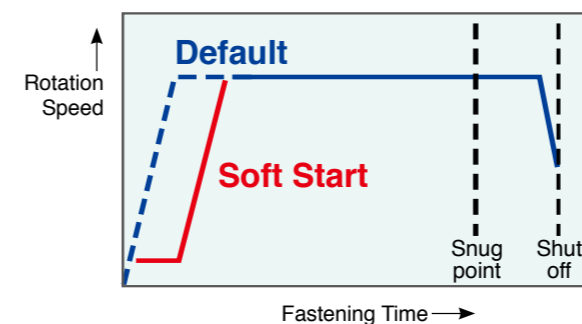
New Enlarged Metal Hammer
The clamping force of one pulse is large and less pulses are needed to complete a fastening. The noises are lower sound and less harsh.



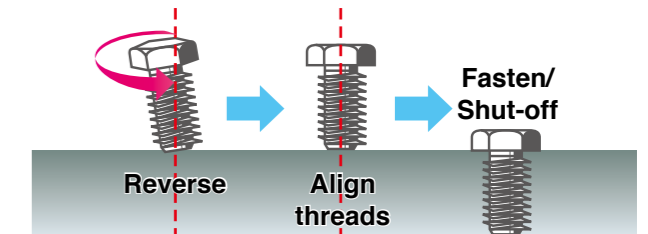
Advanced Fastening Features

Optional settings for preventing cross thread fastening

1 Soft Start 200rpm

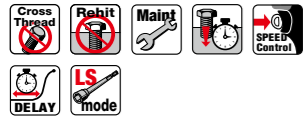


2 Reverse Start 180° or 360°



10.8V Low Noise Precision Shut-off Impact Driver & Wrench

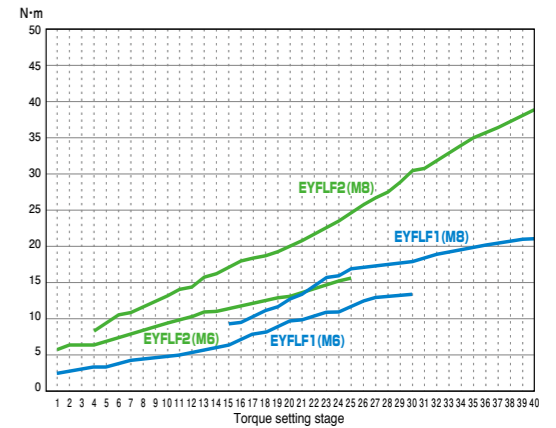
10.8V Low Noise Impact Driver & Wrench without Torque Control



Cordless Impact Driver & Wrench			
EYFLF1XA	EYFLF1XC	EYFLF2XA	EYFLF2XC
10.8V Low Noise	Brushless Motor	10.8V Low Noise	Brushless Motor
3.0Ah 2.0Ah		3.0Ah 2.0Ah	
*Battery pack is not included		*Battery pack is not included	

Cordless Impact Driver & Wrench			
EYFLG1XA	EYFLG1XC	EYFLG2XA	EYFLG2XC
10.8V Low Noise	Brushless Motor	10.8V Low Noise	Brushless Motor
3.0Ah 2.0Ah		3.0Ah 2.0Ah	
*Battery pack is not included		*Battery pack is not included	

Tightening Torque Chart (for Reference Use)



The values illustrated on this chart were measured under Panasonic measuring condition and are provided for reference purposes. Actual tightening torque varies with ambient conditions (the particular bolt being tightened, hardware being used, method of holding the bolt in place, etc.).

Chuck / Anvil type		A:1/4" Hex quick change, C:9.5mm Sq. drive Retainer ring and Pin-hole				Chuck / Anvil type		A:1/4" Hex quick change, C:9.5mm Sq. drive Retainer ring and Pin-hole			
Application		Screw M5•M6 (Normal-Tensile bolt) M8 bolt (Normal bolt)		M6 bolt (Tensile bolt) M8 bolt (Normal-Tensile bolt)		Screw M5•M6 (Normal-Tensile bolt) M8 bolt (Normal bolt)		M6 bolt (Tensile bolt) M8 bolt (Normal-Tensile bolt)			
Maximum torque (F mode, fastening 3 sec.)		approx. 30 N·m (M10 bolt)	approx. 40 N·m (M10 bolt)	approx. 70 N·m (UFT-M14 bolt)	approx. 100 N·m (M14 bolt)	approx. 30 N·m (M10 bolt)	approx. 40 N·m (M10 bolt)	approx. 70 N·m (M14 bolt)	approx. 100 N·m (M14 bolt)		
Shut-off range		approx. 3 ~ 20 N·m				approx. 6 ~ 35 N·m					
Torque setting		40 stage + F (without torque setting mode)				-					
Snug torque detection mode setting		7 stages (L1 ~ L7)				-					
No load speed (unit : rpm)		stage1~4: 0~650 stage5~14: 0~950 stage15~19: 0~1200 stage20~40•F: 0~1800		stage1~3: 0~1450 stage4~40•F: 0~1800		0~1800					
Impact per minute		stage1~19: 0~1300 stage20~40•F: 0~1800		0~2250		0~1800		0~2250			
Weight** (inc. battery)	EYFB30B	approx. 1.45kg				approx. 1.45kg					
	EYFB32B	approx. 1.3kg				approx. 1.25kg					
Size	Length	166mm	167mm	166mm	167mm	166mm	167mm	166mm	167mm		
	Height	249mm (EYFB30B), 231mm (EYFB32B)				249mm (EYFB30B), 231mm (EYFB32B)					
	Width	approx. 59mm (Width of battery pack: approx. 75mm)				approx. 59mm (Width of battery pack: approx. 75mm)					
Vibration		2.6m/s ²	3.4m/s ²	4.2m/s ²	3.4m/s ²	2.6m/s ²	3.4m/s ²	4.2m/s ²	3.4m/s ²		
LED light		√ (ON/OFF switch, Light turns off after five minutes automatically)				√ (ON/OFF switch, Light turns off after five minutes automatically)					
Tightening confirmation lamp		√ (OK fastening: Green lamp, NOK fastening: Red lamp)				√ (OK fastening: Green lamp, NOK fastening: Red lamp)					
Battery indication lamp		√ (3 stages)				√ (3 stages)					
Auto battery shutdown		√				√					
Advanced fastening features		√ (For details of the feature, Please refer to page 7)				√ (For details of the feature, Please refer to page 7)					
Soft start		√ (200 rpm or less)				√ (200 rpm or less)					
Cross thread reduction		√ (180° or 360° reverse start)				√ (180° or 360° reverse start)					
Tool hanger		√				√					
Work capacity / Fastening speed		<M6: 10 N·m, Stage: 21> (EYFB30B) approx. 1290 pcs/pack approx. 0.8 sec/1pcs (EYFB32B) approx. 780 pcs/pack approx. 0.8 sec/1pcs	<M6: 10 N·m, Stage: 20> (EYFB30B) approx. 1630 pcs/pack approx. 0.7 sec/1pcs (EYFB32B) approx. 840 pcs/pack approx. 0.7 sec/1pcs	<M8: 23 N·m, Stage: 25> (EYFB30B) approx. 800 pcs/pack approx. 1.2 sec/1pcs (EYFB32B) approx. 500 pcs/pack approx. 1.2 sec/1pcs	<M8: 23 N·m, Stage: 20> (EYFB30B) approx. 1160 pcs/pack approx. 0.9 sec/1pcs (EYFB32B) approx. 590 pcs/pack approx. 0.9 sec/1pcs	<M6: 10 N·m> (EYFB30B) approx. 1290 pcs/pack approx. 0.8 sec/1pcs (EYFB32B) approx. 780 pcs/pack approx. 0.8 sec/1pcs	<M6: 10 N·m> (EYFB30B) approx. 1630 pcs/pack approx. 0.7 sec/1pcs (EYFB32B) approx. 840 pcs/pack approx. 0.7 sec/1pcs	<M8: 23 N·m> (EYFB30B) approx. 800 pcs/pack approx. 1.2 sec/1pcs (EYFB32B) approx. 500 pcs/pack approx. 1.2 sec/1pcs	<M8: 23 N·m> (EYFB30B) approx. 1160 pcs/pack approx. 0.9 sec/1pcs (EYFB32B) approx. 590 pcs/pack approx. 0.9 sec/1pcs		
Charging time		(Battery pack EYFB30B, Charger EY0L82B) Usable charge: approx. 35 min. Full charge: approx. 45 min (Battery Pack EYFB32B, Charger EY0L82B) Usable Charge: approx. 35 min. Full Charge: approx. 40 min				(Battery pack EYFB30B, Charger EY0L82B) Usable charge: approx. 35 min. Full charge: approx. 45 min (Battery Pack EYFB32B, Charger EY0L82B) Usable Charge: approx. 35 min. Full Charge: approx. 40 min					

<Optional Accessory>

10.8V Li-Ion Battery Pack EYFB30B EYFB32B	Protector for Battery EYFA02-H (gray) EYFA03-H (gray)
 EYFB30B (3.0Ah) EYFB32B (2.0Ah)	 EYFA02 (for EYFB30B) EYFA03 (for EYFB32B)
Protector for Tool EYFA15-A (blue), -Y (yellow), -H (gray) -D (orange), -G (green)	
Remote Control EYFA31B	Tool Hanger EYFA40
Charger EY0L82B	

Precision Shut-Off Impact Wrench

Precision fastening quality utilizing Encoder Sensor and newly developed 7 stages Snug Torque Detection Mode



Advanced Impact Torque Control with 3 new technologies

1 High Resolution Encoder Sensor

Encoder sensor monitors motor's rotation angle precisely and simulates snug torque accurately.

2 7 stages Snug Torque Detection Mode

Precise Snug Torque Detection Mode enables accurate fastening on variety of joints with large snug torque.

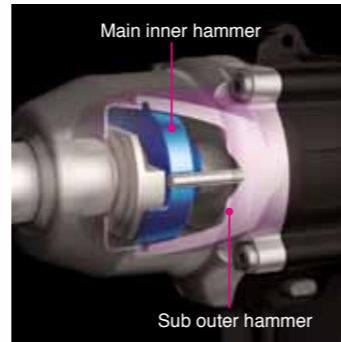
3 Consistent Impact Control

Powers of impacts are always kept consistent regardless of remained battery capacity.



High Resolution Encoder Sensor

High Efficiency Double Hammer Block (EYFLA9, EYFMA2 only)

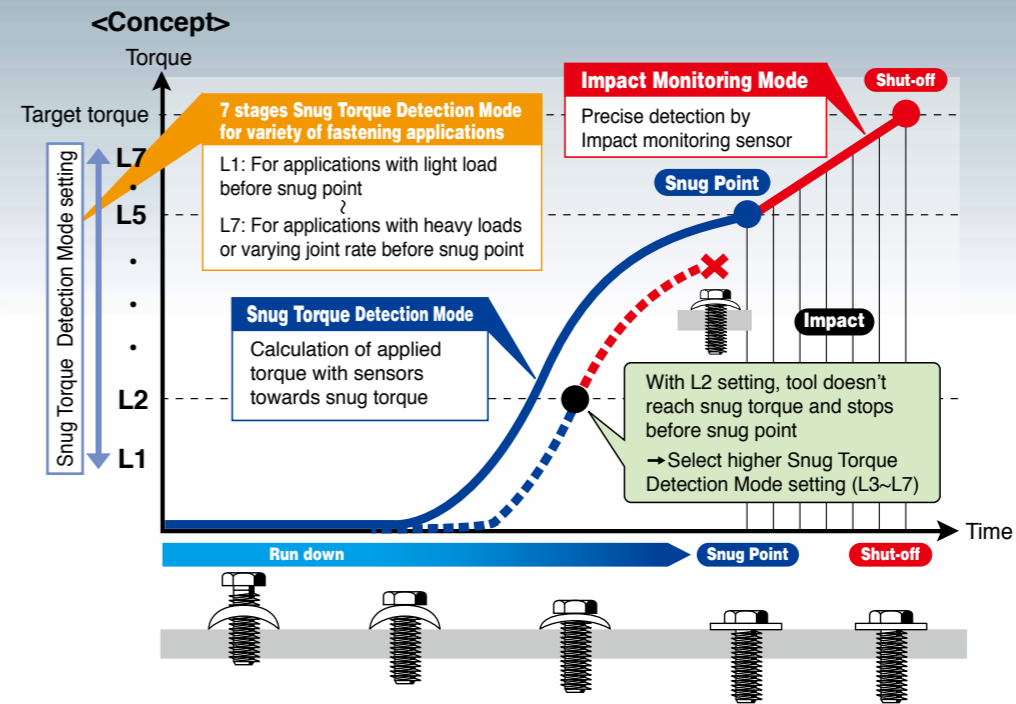


Newly developed Double Hammer Block reduces tool's vibration, and thus operator's fatigue and reflection noise from work material.

Calibration Data (only for reference purpose) Model number: EYFMA2C

Bolt Size	Torque setting	1	2	3	4	5	26	27	28	29	30	Average	Accuracy
M10	1	14.2	16.1	14.8	14.7	15.0	15.3	15.1	15.1	15.1	15.3	15.1	9.7%
	10	31.1	31.8	31.0	31.7	31.8	32.0	31.7	30.7	32.2	30.6	31.5	5.4%
M12	15	55	55	55	55	56	55	55	55	55	55	55	1.7%
	25	80	81	82	81	82	83	82	83	82	81	82	3.5%
M14	30	117	118	113	117	118	118	119	117	118	116	117	4.3%
	40	131	132	134	134	136	134	134	134	133	137	134	3.9%

*The values in this chart were measured under Panasonic measuring condition and are provided only for reference purpose. Actual tightening torque may vary with ambient conditions.



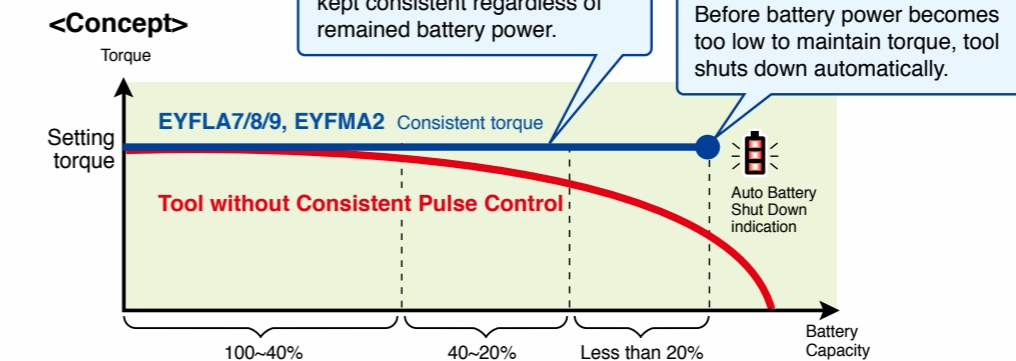
Safety for consistent torque

1 Consistent Impact Control

Powers of impacts are always kept consistent regardless of remained battery power.

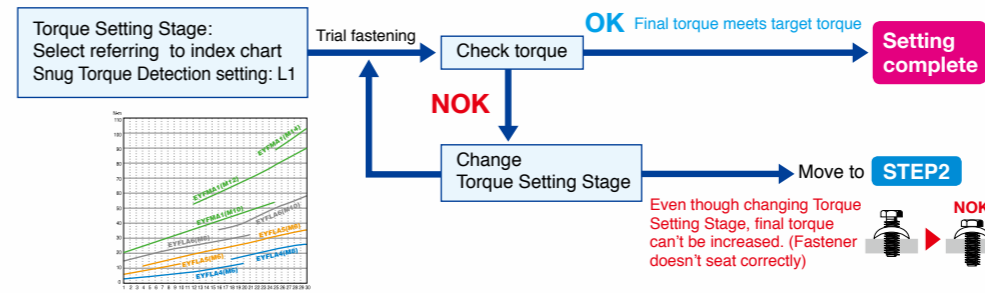
2 Auto Battery Shut Down

Before battery power becomes too low to maintain torque, tool shuts down automatically.

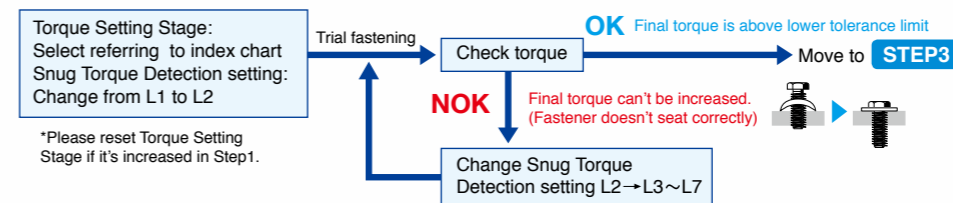


How to set

STEP1 Select Torque Setting Stage (1-40)

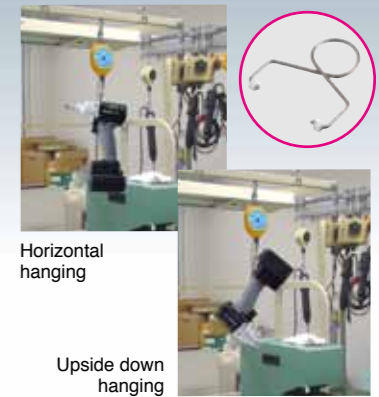


STEP2 Select Flush Detection Level (L1-L7 / Use only when final torque can't be increased by Torque Setting Stage change)



STEP3 Fine-tune Torque Setting Stage to meet target torque and complete setting

More Features



Horizontal hanging

Upside down hanging

Tool Hanger

The tool can be hung on the balancer both and upside down.



Tightening Confirmation Lamp

Green light indicates tightening is completed.



Needle Bearings

Needle Bearings on the output shaft reduce the vibration and realize longer life



LED Light
For operations in dimly lit place.

Remote Control
Tool setting can be set only by remote control.



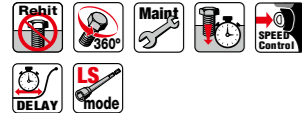
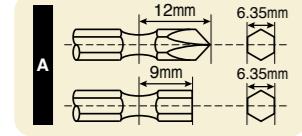
Color Plate for Differentiation
Each tool model is color coded for easy identification.

Various Support Features



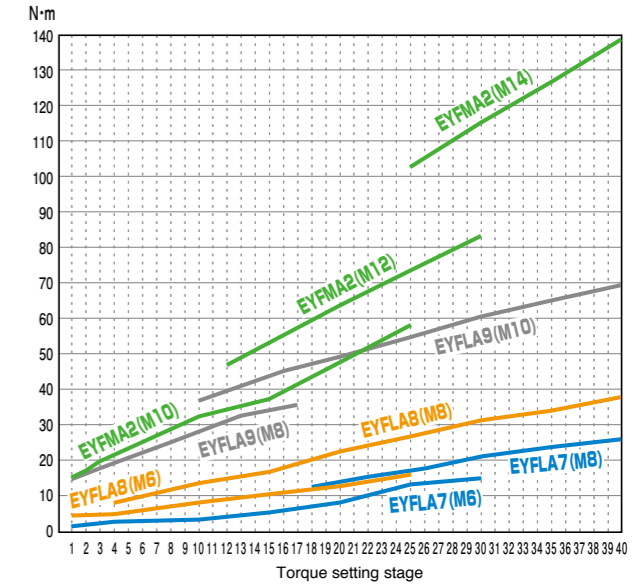
10.8V/14.4V Precision Shut-off Impact Driver & Wrench

Applicable bit size for quick change chuck



	Cordless Impact Driver			Cordless Impact Wrench		
	EYFLA7A	EYFLA8A	EYFLA8C	EYFLA9C	EYFMA2C	
	10.8V Brushless Motor	10.8V Brushless Motor	10.8V Brushless Motor	10.8V Brushless Motor	14.4V Brushless Motor	
	3.0Ah 2.0Ah	3.0Ah 2.0Ah	3.0Ah 2.0Ah	3.0Ah 2.0Ah	4.0Ah 2.0Ah	
	*Battery pack is not included			*Battery pack is not included		
Chuck / Anvil type	1/4" Hex quick change		9.5mm Sq. drive Retainer ring and Pin-hole	12.7mm Sq. drive Retainer ring and Pin-hole	12.7mm Sq. drive Retainer ring and Pin-hole	
Application	Screw M5-M6 (Normal—Tensile bolt) M8 bolt (Normal bolt)		M6 bolt (Tensile bolt) M8 bolt (Normal—Tensile bolt)	M8 bolt (Tensile bolt) M10 bolt (Normal bolt)	M10 bolt (Tensile bolt) M12 bolt (Normal-Tensile bolt) M14 bolt (Normal bolt)	
Maximum torque (F mode, fastening 3 sec.)	approx. 35 N·m (M10 bolt)		approx. 80 N·m (M14 bolt)	approx. 120 N·m (M14 Tensile bolt)	approx. 185 N·m (M16 Tensile bolt)	
Shut-off range	approx. 3 ~ 22 N·m		approx. 6 ~ 30 N·m	approx. 20 ~ 60 N·m	approx. 25 ~ 120 N·m	
Torque setting	40 stage + F (without torque setting mode)			40 stages + F (without torque setting mode)		
Snug torque detection mode setting	7 stages (L1 ~ L7)			7 stages (L1 ~ L7)		
No load speed (unit : rpm)	stage1: 0~ 950, stage2 : 0~1250 stage3: 0~1450, stage4~8: 0~1550 stage9~40·F: 0~2300		stage1: 0~1300, stage2 : 0~1450 stage3: 0~1550, stage4~40·F: 0~2300	0 ~ 2300	0 ~ 2300	
Impact per minute	stage1: 0~1800, stage2 : 0~2250 stage3: 0~2500, stage4~8: 0~2950 stage9~40·F: 0~3600		stage1: 0~2400, stage2 : 0~2500 stage3: 0~2800, stage4~40·F: 0~3300	0 ~ 2800	0 ~ 2900	
Weight** (inc. battery)	EYFB30B	approx. 1.3kg	approx. 1.35kg	approx. 1.35kg	—	
	EYFB32B	approx. 1.15kg	approx. 1.15kg	approx. 1.15kg	—	
	EYFB43B	—	—	—	approx. 1.6kg	
	EYFB41B	—	—	—	approx. 1.4kg	
Size	Length	153mm	153mm	162mm	172mm	
	Height	249mm (EYFB30B), 231mm (EYFB32B)			250mm (EYFB30B), 232mm (EYFB32B)	250mm (EYFB43B), 232mm (EYFB41B)
	Width	approx. 59mm (Width of battery pack: approx. 75mm)			approx. 59mm (Width of battery pack: approx. 75mm)	
Vibration	5.2m/s ²	7.0m/s ²	6.3m/s ²	5.1m/s ²	6.9m/s ²	
Function	LED light	√ (ON/OFF switch, Light turns off after five minutes automatically)			√ (ON/OFF switch, Light turns off after five minutes automatically)	
	Tightening confirmation lamp	√ (OK fastening: Green lamp, NOK fastening: Red lamp)			√ (OK fastening: Green lamp, NOK fastening: Red lamp)	
	Battery indication lamp	√ (3 stages)			√ (3 stages)	
	Auto battery shutdown	√			√	
	Advanced fastening features	√ (For details of the feature, Please refer to page 7)			√ (For details of the feature, Please refer to page 7)	
	Tool hanger	√			√	
Work capacity / Fastening speed	<M6: 10 N·m, Stage: 22> (EYFB30B) approx. 1200 pcs/pack approx. 0.7 sec/1pcs (EYFB32B) approx. 800 pcs/pack approx. 0.7 sec/1pcs	<M8: 23 N·m, Stage: 22> (EYFB30B) approx. 800 pcs/pack approx. 0.8 sec/1pcs (EYFB32B) approx. 540 pcs/pack approx. 0.8 sec/1pcs	<M8: 23 N·m, Stage: 22> (EYFB30B) approx. 800 pcs/pack approx. 0.8 sec/1pcs (EYFB32B) approx. 540 pcs/pack approx. 0.8 sec/1pcs	<M10: 43 N·m, Stage: 15> (EYFB30B) approx. 540 pcs/pack approx. 0.7 sec/1pcs (EYFB32B) approx. 150 pcs/pack approx. 0.7 sec/1pcs	<M12: 71 N·m, Stage: 22> (EYFB43B) approx. 510 pcs/pack approx. 0.8 sec/1pcs (EYFB41B) approx. 270 pcs/pack approx. 0.8 sec/1pcs	
Charging time	(Battery pack EYFB30B, Charger EY0L82B) Usable charge: approx. 35 min. Full charge: approx. 45 min (Battery Pack EYFB32B, Charger EY0L82B) Usable Charge: approx. 35 min. Full Charge: approx. 40 min			(Battery pack EYFB30B, Charger EY0L82B) Usable charge: approx. 35 min. Full charge: approx. 45 min (Battery Pack EYFB32B, Charger EY0L82B) Usable Charge: approx. 35 min. Full Charge: approx. 40 min	(Battery pack EYFB43B, Charger EY0L82B) Usable Charge: approx. 45 min. Full Charge: approx. 60 min (Battery Pack EYFB41B, Charger EY0L82B) Usable Charge: approx. 35 min. Full Charge: approx. 40 min	

Tightening Torque Chart (for Reference Use)



The values illustrated on this chart were measured under Panasonic measuring condition and are provided for reference purposes. Actual tightening torque varies with ambient conditions (the particular bolt being tightened, hardware being used, method of holding the bolt in place, etc.).

<Optional Accessory>

<p>10.8V Li-Ion Battery Pack EYFB30B, EYFB32B</p> <p>EYFB30B (3.0Ah) EYFB32B (2.0Ah)</p>	<p>14.4V Li-Ion Battery Pack EYFB43B, EYFB41B</p> <p>EYFB43B (4.0Ah) EYFB41B (2.0Ah)</p>
<p>Charger EY0L82B</p>	<p>Remote Control EYFA31B</p>
<p>Protector for Battery EYFA02-H (gray), EYFA03-H (gray), EYFA04-H (gray), EYFA06-H (gray)</p> <p>EYFA02 (for EYFB30B) EYFA03 (for EYFB32B) EYFA04 (for EYFB43B) EYFA06 (for EYFB41B)</p>	
<p>Protector for Tool EYFA13-A (blue), -Y (yellow), -H (gray), -D (orange), -G (green)</p>	

23 √ Available *1 Weights are described in 0.05kg increment. *There are models limited to particular region.

Panasonic Unique Shut-Off Impact Tool Series

The unique Panasonic algorithm offers high power, high speed and high accuracy all together without torque reaction

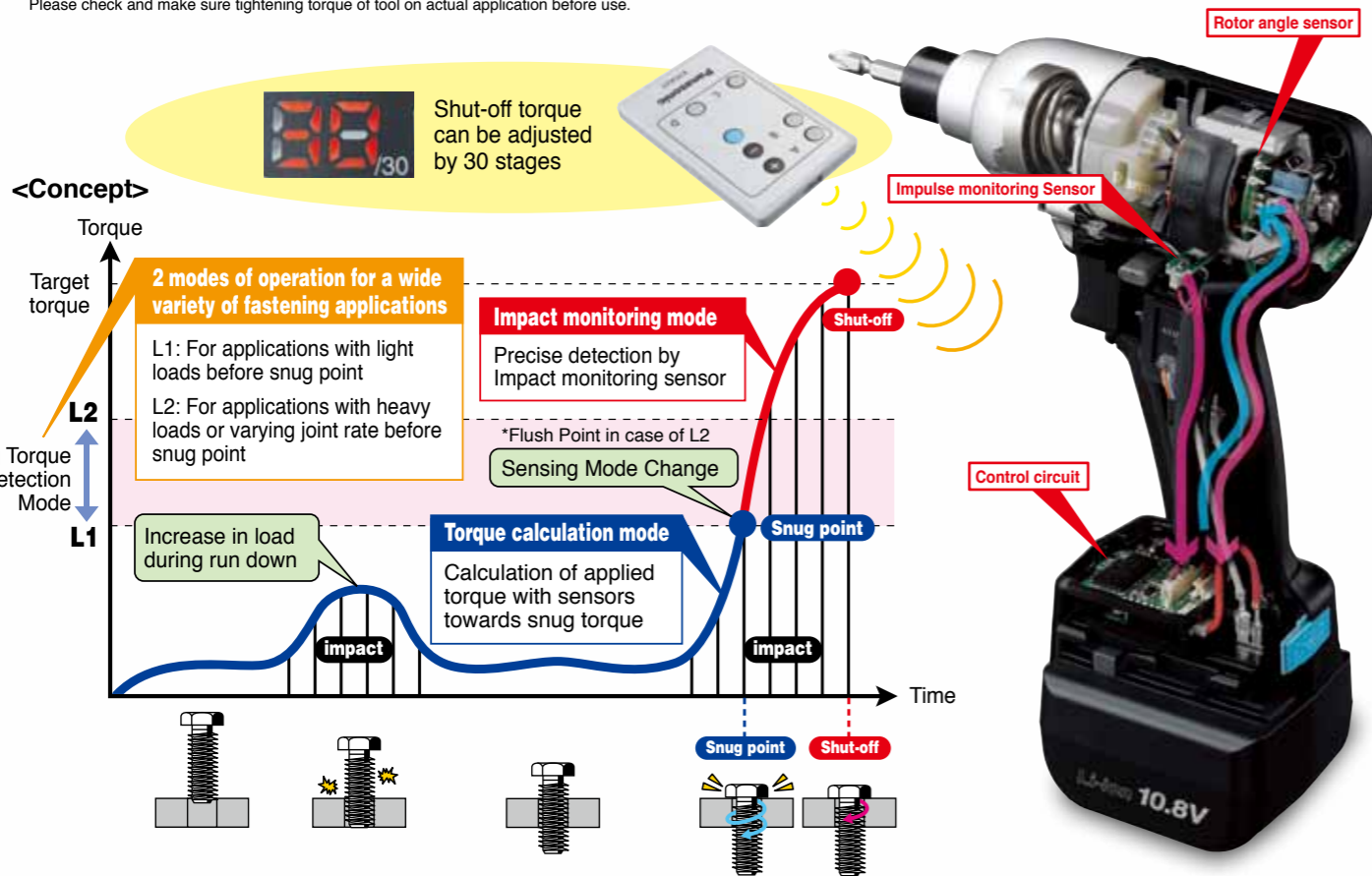
Torque Control Mechanism

- Two kinds of sensors (rotor angle sensor and impulse monitoring sensor) detect the change of motor speed and rpm between impacts. The control circuit with a Panasonic original algorithm calculates applied torque to deliver a snug tight.
- When applied torque reaches the pre-set torque selection, the control method shifts to the impact monitoring mode and automatically stops after completing tightening.*

* Tightening torque may vary with ambient conditions. Please check and make sure tightening torque of tool on actual application before use.



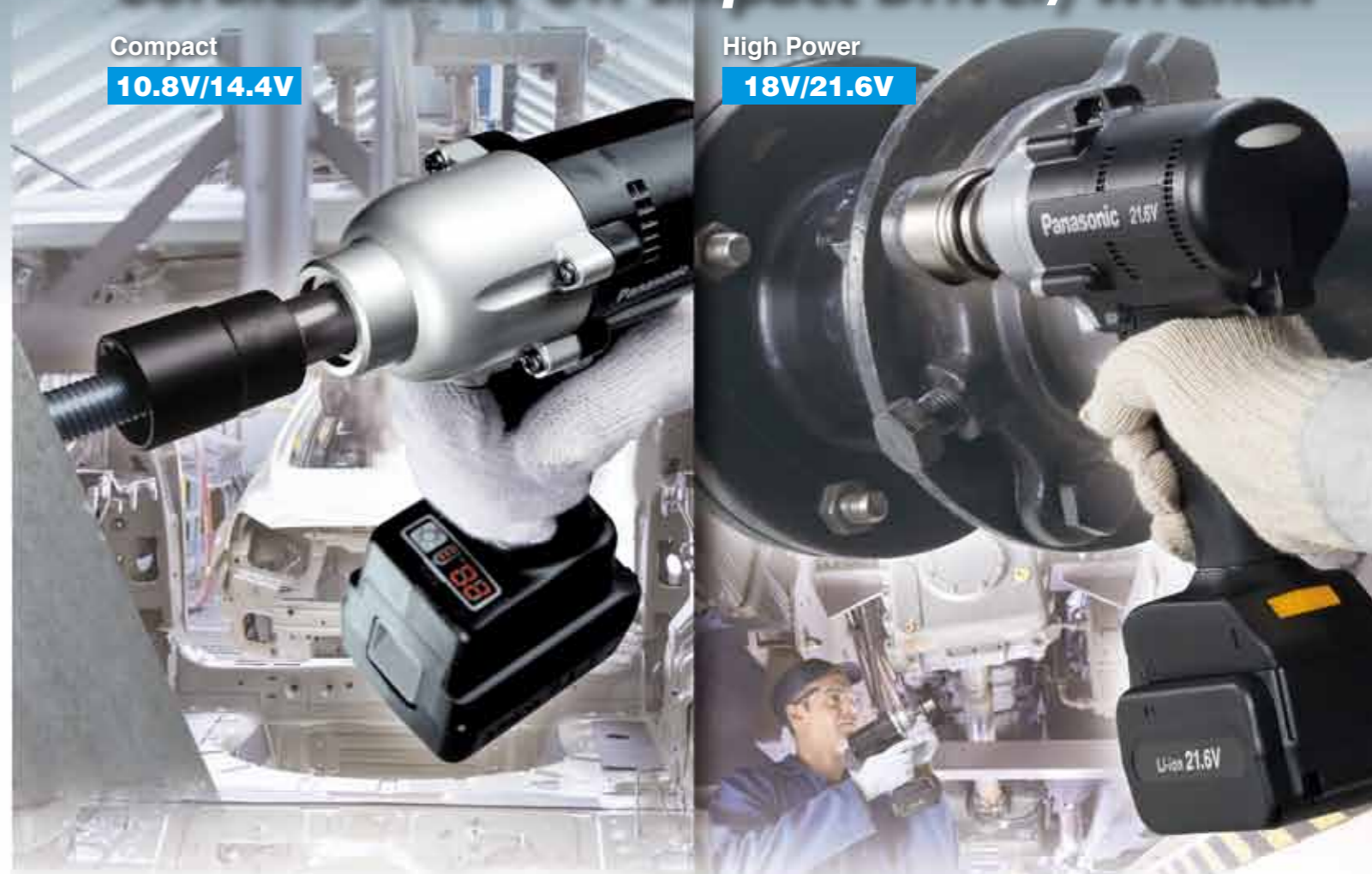
- 10.8V EYFLA4, EYFLA5, EYFLA6
- 14.4V EYFMA1, EYFME1
- 18V EYFNA1
- 21.6V EYFPA1



Cordless Shut-Off Impact Driver/Wrench

Compact
10.8V/14.4V

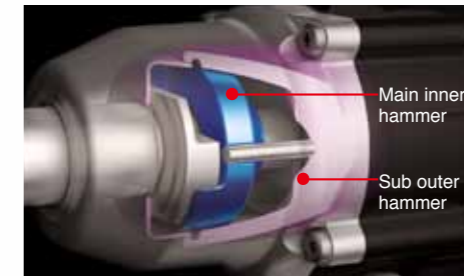
High Power
18V/21.6V



More Features

High-Efficient Double Hammer Block Mechanism (EYFNA1, EYFPA1 only)

With the newly developed Double Hammer Block, high power and compact-light body become compatible. It also reduces the tool's vibration and thus operator's fatigue.



Needle Bearings

Needle Bearings on the output shaft reduce the vibration and realize longer life



Light Weight

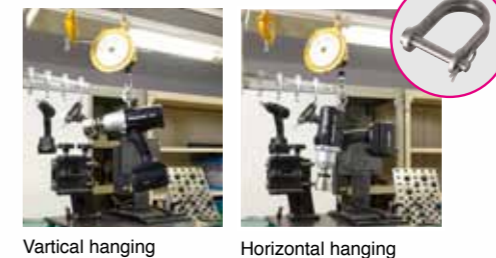


A well balanced lightweight design means workers will experience less muscle fatigue during continuous use.



Tool Hanger (EYFNA1, EYFPA1 only)

The tool can be hung on the balancer both vertically and horizontally

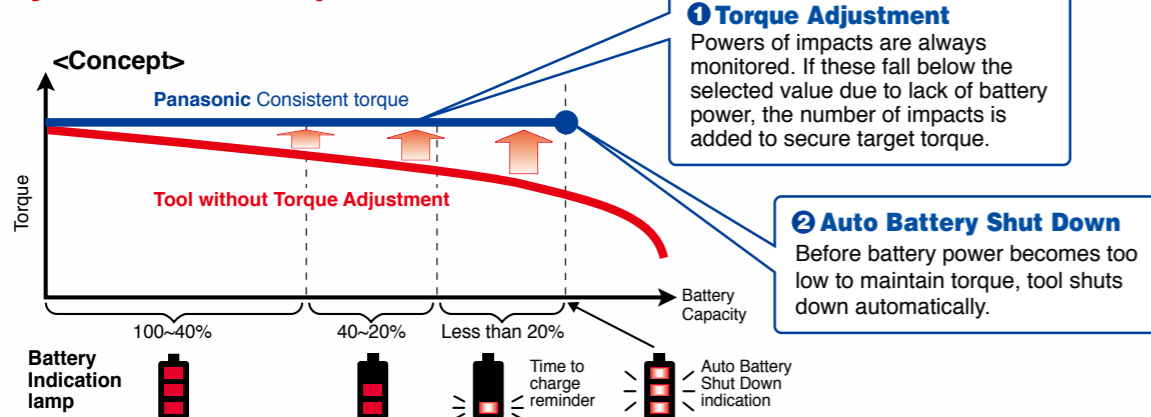


LED Light
For operations in dimly lit place.

Various Support Features

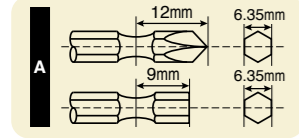
- EYFLA4/5/6
 - EYFMA1
 - EYFNA1
 - EYFPA1
- Rebit
- SPEED Control
- 360°
- Maint
- SPEED Control

Safety for consistent torque



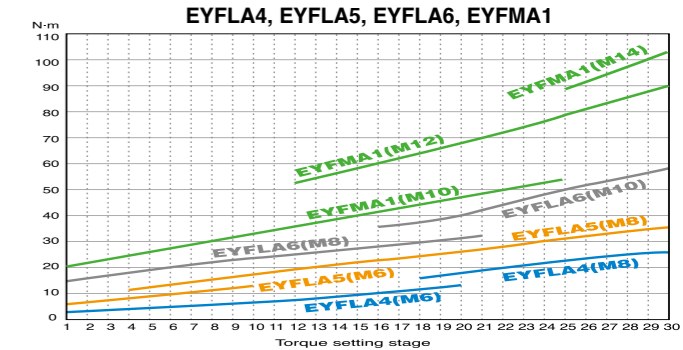
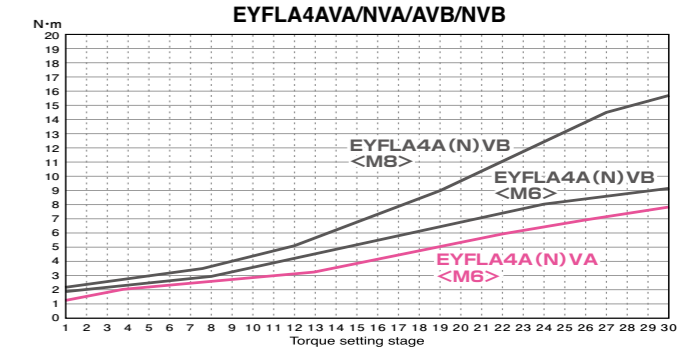
10.8V/ 14.4V Shut-off Impact Driver & Wrench

Applicable bit size for quick change chuck



		Cordless Impact Driver		Cordless Impact Driver / Wrench	Cordless Impact Wrench			
		EYFLA4AVA	EYFLA4AVB	EYFLA4A	EYFLA5A / EYFLA5Q	EYFLA6J	EYFMA1J	
		10.8V	Brushless Motor	10.8V	Brushless Motor	10.8V	Brushless Motor	
		3.0Ah 2.0Ah		3.0Ah 2.0Ah		3.0Ah 2.0Ah	4.0Ah 2.0Ah	
		*Battery pack is not included		*Battery pack is not included		*Battery pack is not included		
Chuck / Anvil type	1/4" Hex quick change		1/4" Hex quick change		A: 1/4" Hex quick change, Q: 9.5mm Sq. drive Pin-hole		12.7mm Sq. drive Pin-hole	
Application	Screw M5•M6 (Normal-Tensile bolt)	Screw M5•M6 (Normal-Tensile bolt) M8 bolt (Normal bolt)	Screw M5•M6 (Normal-Tensile bolt) M8 bolt (Normal bolt)		M6 bolt (Tensile bolt) M8 bolt (Normal bolt)		M8 bolt (Tensile bolt) M10 bolt (Normal bolt)	
Maximum torque (F mode, fastening 3 sec.)	approx. 13 N•m (M8 bolt)	approx. 25 N•m (M10 bolt)	approx. 40 N•m (M10 bolt)		approx. 90 N•m (M14 bolt)		approx. 120 N•m (M14 bolt)	
Shut-off range	approx. 1.5 ~ 8 N•m	approx. 2 ~ 15 N•m	approx. 3 ~ 22 N•m		approx. 6 ~ 30 N•m		approx. 16 ~ 53 N•m	
Torque setting	30 stage + F (without torque setting mode)						30 stage + F (without torque setting mode)	
Snug torque detection mode setting	L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications						L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications	
No load speed (unit : rpm)	stage1: 0 ~ 950 stage2: 0 ~ 1300 stage3: 0 ~ 1450 stage4 ~ 8: 0 ~ 1550 stage9 ~ 30•F: 0 ~ 2300	stage1: 0 ~ 950 stage2: 0 ~ 1300 stage3: 0 ~ 1450 stage4 ~ 8: 0 ~ 1550 stage9 ~ 30•F: 0 ~ 2300	stage1: 0 ~ 950 stage2: 0 ~ 1300 stage3: 0 ~ 1450 stage4 ~ 8: 0 ~ 1550 stage9 ~ 30•F: 0 ~ 2300		stage1: 0 ~ 1300 stage2: 0 ~ 1450 stage3: 0 ~ 1550 stage4 ~ 30•F: 0 ~ 2300		0 ~ 2300	
Impact per minute	stage1: 0 ~ 1900 stage2: 0 ~ 2500 stage3: 0 ~ 2800 stage4 ~ 8: 0 ~ 3000 stage9 ~ 30•F: 0 ~ 4300	stage1: 0 ~ 1900 stage2: 0 ~ 2500 stage3: 0 ~ 2800 stage4 ~ 8: 0 ~ 3000 stage9 ~ 30•F: 0 ~ 4200	stage1: 0 ~ 1900 stage2: 0 ~ 2500 stage3: 0 ~ 2800 stage4 ~ 8: 0 ~ 3000 stage9 ~ 30•F: 0 ~ 4000		stage1: 0 ~ 2500 stage2: 0 ~ 2800 stage3: 0 ~ 3000 stage4 ~ 30•F: 0 ~ 3600		0 ~ 3000	
Weight** (inc. battery)	EYFB30B	approx. 1.3kg		approx. 1.4kg		approx. 1.4kg		
	EYFB32B	approx. 1.15kg		approx. 1.25kg		-		
	EYFB43B	-		-		approx. 1.5kg		
	EYFB41B	-		-		approx. 1.3kg		
Size	Length	158mm	158mm	A: 158mm / Q: 164mm		172mm		
	Height	248mm (EYFB30B), 231mm (EYFB32B)						248mm (EYFB30B), 231mm (EYFB32B) 248mm (EYFB43B), 231mm (EYFB41B)
	Width	approx. 59mm (Width of battery pack: approx. 75mm)						approx. 59mm (Width of battery pack: approx. 75mm)
Function	LED light	√ (ON/OFF switch, Light turns off after five minutes automatically)						√ (ON/OFF switch, Light off after five minutes automatically)
	Tightening confirmation lamp	√ (OK fastening: Green lamp, NOK fastening: Red lamp)						√ (OK fastening: Green lamp, NOK fastening: Red lamp)
	Retightening prevention function	√ (Possible to set between 0 ~ 3 sec.. 0.1 sec. per stage)						√ (Possible to set between 0 ~ 3sec.. 0.1 sec. per stage)
	Battery indication lamp	√ (3 stages)						√ (3 stage)
	Torque Adjustment	√						√
	Auto battery shutdown	√						√
Work capacity / Fastening speed	<M6: 10 N•m, Stage: 19> (EYFB30B) approx. 1200 pcs/pack approx. 0.7 sec/1pcs (EYFB32B) approx. 800 pcs/pack approx. 0.7 sec/1pcs	<M6: 10 N•m, Stage: 19> (EYFB30B) approx. 1200 pcs/pack approx. 0.7 sec/1pcs (EYFB32B) approx. 800 pcs/pack approx. 0.7 sec/1pcs	<M8: 23 N•m, Stage: 22> (EYFB30B) approx. 800 pcs/pack approx. 0.8 sec/1pcs (EYFB32B) approx. 540 pcs/pack approx. 0.8 sec/1pcs		<M10: 43 N•m, Stage: 23> (EYFB30B) approx. 500 pcs/pack approx. 0.9 sec/1pcs (EYFB32B) approx. 330 pcs/pack approx. 0.9 sec/1pcs		<M12: 71 N•m, Stage: 22> (EYFB43B) approx. 670 pcs/pack approx. 0.9 sec/1pcs (EYFB41B) approx. 350 pcs/pack approx. 0.9 sec/1pcs	
Charging time	(Battery pack EYFB30B, Charger EY0L82B) Usable charge: approx. 35 min. Full charge: approx. 45 min. (Battery Pack EYFB32B, Charger EY0L82B) Usable Charge: approx. 35 min. Full Charge: approx. 40 min						(Battery pack EYFB30B, Charger EY0L82B) Usable charge: approx. 35 min. Full charge: approx. 45 min. (Battery Pack EYFB32B, Charger EY0L82B) Usable Charge: approx. 35 min. Full Charge: approx. 40 min	
		(Battery pack EYFB43B, Charger EY0L82B) Usable Charge: approx. 45 min. Full Charge: approx. 60 min		(Battery pack EYFB41B, Charger EY0L82B) Usable Charge: approx. 35 min. Full Charge: approx. 40 min		(Battery pack EYFB43B, Charger EY0L82B) Usable Charge: approx. 45 min. Full Charge: approx. 60 min		

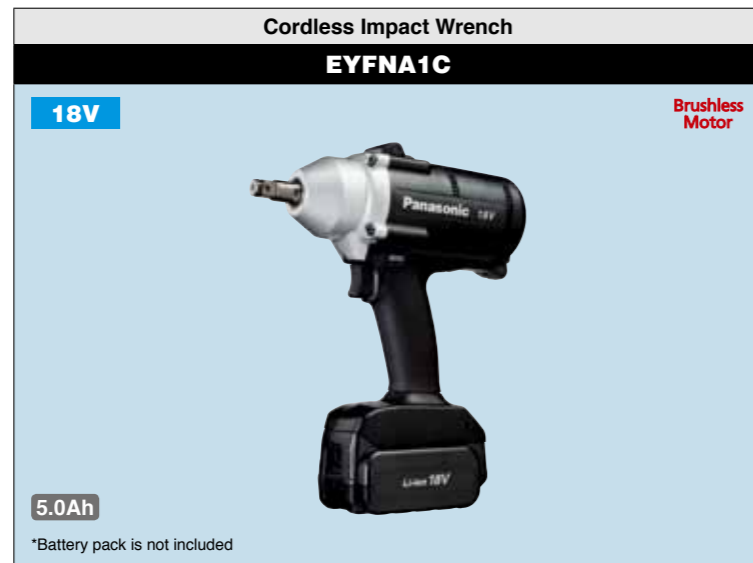
Tightening Torque Chart (for Reference Use)



The values illustrated on this chart were measured under Panasonic measuring condition and are provided for reference purposes. Actual tightening torque varies with ambient conditions (the particular bolt being tightened, hardware being used, method of holding the bolt in place, etc.).

<Optional Accessory>

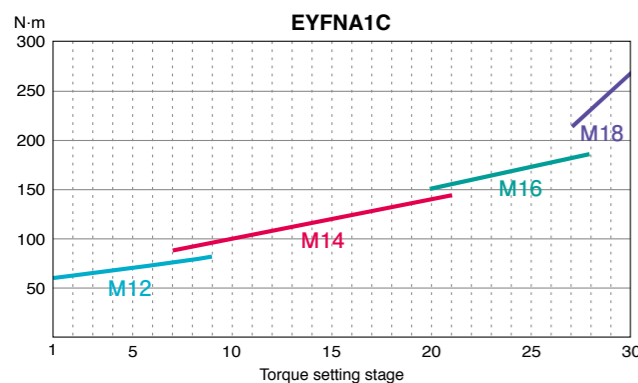
<p>10.8V Li-Ion Battery Pack EYFB30B, EYFB32B</p> <p>EYFB30B (3.0Ah) EYFB32B (2.0Ah)</p>	<p>14.4V Li-Ion Battery Pack EYFB43B, EYFB41B</p> <p>EYFB43B (4.0Ah) EYFB41B (2.0Ah)</p>
<p>Charger EY0L82B</p>	<p>Remote Control EYFA31B</p>
<p>Protector for Battery EYFA02-H (gray), EYFA03-H (gray), EYFA04-H (gray), EYFA06-H (gray)</p> <p>EYFA02 (for EYFB30B) EYFA03 (for EYFB32B) EYFA04 (for EYFB43B) EYFA06 (for EYFB41B)</p>	
<p>Protector for Tool EYFA01-A (blue), -Y (yellow)-H (gray), -G (green)</p>	



Cordless Impact Wrench		
EYFNA1C		
18V Brushless Motor		
5.0Ah <small>*Battery pack is not included</small>		
Chuck / Anvil type	12.7mm Sq. drive Retainer ring and Pin-hole	
Application	M12 (High-Tensile bolt), M14 (Normal, High-Tensile bolt) M16 (Normal bolt), M18 (Normal bolt)	
Maximum torque	approx.470 N·m (M24 Tensile bolt, F mode, fastening 3sec.) approx.520 N·m (M24 Tensile bolt, F mode, fastening 5sec.)	
Shut-off range	approx. 70 ~ 200 N·m	
Torque setting	30 stage + F (without torque setting mode)	
Snug torque detection mode setting	L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications	
No load speed (unit : rpm)	0 ~ 1900	
Impact per minute	0 ~ 2200	
Weight*1 (inc. battery)	approx. 3.0kg	
Size	Length	233mm
	Height	approx. 286mm
	Width	approx. 77mm (Width of battery pack: approx. 76mm)
Function	Torque adjustment	√
	Cross thread reduction	√ (The tool rotates approx. 360 degree in reverse before fastening starts. Possible to choose ON/OFF)
	Rundown error detecting	√ (Alert with Red light. Possible to set between 0 ~ 3 sec.. 0.1 sec. per stage)
	Maintenance interval alarm function	√ (Possible to set between 0 - 99hours. 1hour per stage)
	LED light	√ (Possible to choose from the 2 LED light modes. by ON/OFF switch or trigger switch interlocked)
	Buzzer	√ (Possible to choose from the 3 buzzer modes, No buzzer, buzzer with OK or buzzer with NOK)
	Tightening confirmation lamp	√ (OK fastening: Green lamp. NOK fastening: Red lamp)
	Battery indication lamp	√ (3 stage)
	Auto battery shut down	√
	Work capacity / Fastening speed	<M12: 100 N·m, Stage: 13> approx.500pcs/pack
Charging time	(Battery pack EYFB50B, Charger EYOL82B) Usable Charge: approx. 65 min. Full Charge: approx. 80 min	

√ Available *1 Weights are described in 0.05kg increment. *There are models limited to particular region.

Tightening Torque Chart (for Reference Use)



The values illustrated on this chart were measured under Panasonic measuring condition and are provided for reference purposes. Actual tightening torque varies with ambient conditions (the particular bolt being tightened, hardware being used, method of holding the bolt in place, etc.).

<Optional Accessory>

18V Li-Ion Battery Pack EYFB50B



Charger EYOL82B



Remote Control EYFA31B



Protector for Battery EYFA10-H (gray)



Tool Hanger EYFA41B



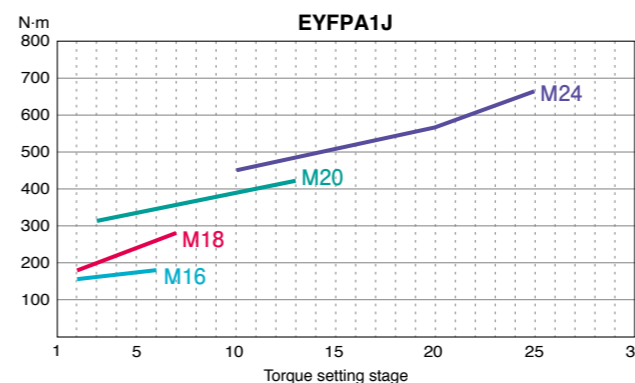
Protector for Tool EYFA09
-A (blue), -Y (yellow)
-H (gray), -G (green)



Cordless Impact Wrench		
EYFPA1J		
21.6V Brushless Motor		
4.0Ah <small>*Battery pack is not included</small>		
Chuck / Anvil type	19mm Sq. drive Pin-hole	
Application	M16 (High-Tensile bolt), M18 (Normal, High-Tensile bolt) M20 (Normal bolt), M24 (Normal bolt)	
Maximum torque	approx.700 N·m (M24 Tensile bolt, F mode, fastening 3sec.) approx.750 N·m (M24 Tensile bolt, F mode, fastening 5sec.)	
Shut-off range	approx. 160 ~ 650 N·m	
Torque setting	30 stage + F (without torque setting mode)	
Snug torque detection mode setting	L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications	
No load speed (unit : rpm)	0 ~ 1900	
Impact per minute	0 ~ 2200	
Weight*1 (inc. battery)	approx. 3.6kg	
Size	Length	250mm
	Height	approx. 295mm
	Width	approx. 77mm (Width of battery pack: approx. 77mm)
Function	Torque adjustment	√
	Cross thread reduction	√ (The tool rotates approx. 360 degree in reverse before fastening starts. Possible to choose ON/OFF)
	Rundown error detecting	√ (Alert with Red light. Possible to set between 0 ~ 3 sec.. 0.1 sec. per stage)
	Maintenance interval alarm function	√ (Possible to set between 0 - 99hours. 1hour per stage)
	LED light	√ (Possible to choose from the 2 LED light modes. by ON/OFF switch or trigger switch interlocked)
	Buzzer	√ (Possible to choose from the 3 buzzer modes, No buzzer, buzzer with OK or buzzer with NOK)
	Tightening confirmation lamp	√ (OK fastening: Green lamp. NOK fastening: Red lamp)
	Battery indication lamp	√ (3 stage)
	Auto battery shut down	√
	Work capacity / Fastening speed	<M16: 180 N·m, Stage: 6> (EYFB61B) approx.380pcs/pack, approx. 0.7 sec/1pcs
Charging time	(Battery pack EYFB61B, Charger EYOL82B) Usable Charge: approx. 65 min. Full Charge: approx. 75 min	

√ Available *1 Weights are described in 0.05kg increment. *There are models limited to particular region.

Tightening Torque Chart (for Reference Use)



The values illustrated on this chart were measured under Panasonic measuring condition and are provided for reference purposes. Actual tightening torque varies with ambient conditions (the particular bolt being tightened, hardware being used, method of holding the bolt in place, etc.).

<Optional Accessory>

21.6V Li-Ion Battery Pack EYFB61B



Charger EYOL82B



Remote Control EYFA31B



Protector for Battery EYFA08-H (gray)



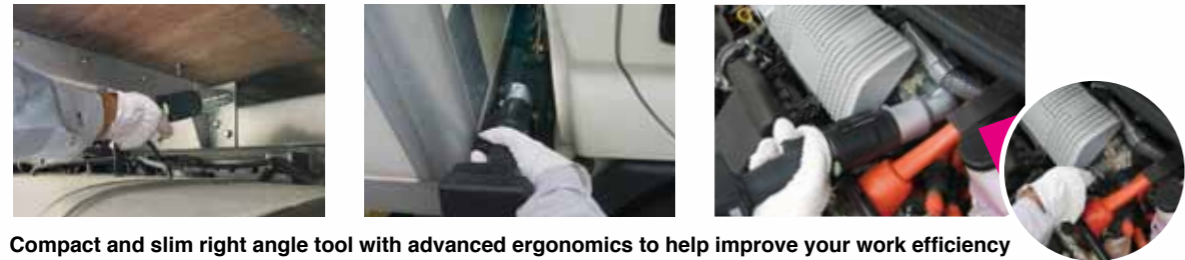
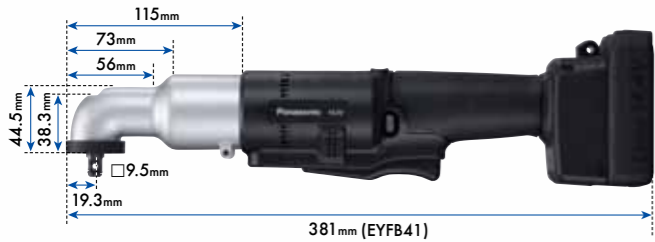
Tool Hanger EYFA41B



Protector for Tool EYFA07
-A (blue), -Y (yellow)
-H (gray), -G (green)



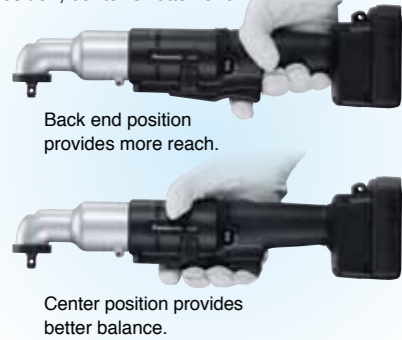
Cordless Shut-Off Angle Impact Wrench



More Features

Paddle Switch

Long paddle switch provides options of grip position, center or back end.



Back end position provides more reach.

Center position provides better balance.



360° Rotating Head (90°step size)



Tool Hanger
The tool can be hung on the balancer.



LED Light
For operations in dimly lit place.



Tightening Confirmation Lamp
Green light indicates tightening is completed.



Remote Control
Tool setting can be set only by remote control.

Various Support Features



14.4V Shut-off Right Angle Impact Wrench

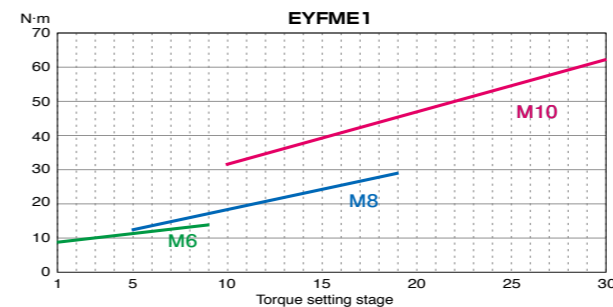
Cordless Right Angle Impact Wrench	
EYFME1C	
14.4V	Brushless Motor
4.0Ah	2.0Ah
*Battery pack is not included	



Chuck / Anvil type	9.5mm Sq. drive Retainer ring and Pin-hole	
Application	M6 bolt (Tensile bolt), M8 bolt (Normal-Tensile bolt), M10 bolt (Normal bolt)	
Maximum torque	approx.80 N·m (M12, F mode, fastening 3sec.)	
Shut-off range	approx. 10 ~ 53 N·m	
Torque setting	30 stage + F (without torque setting mode)	
Snug torque detection mode setting	L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications	
No load speed (unit : rpm)	0 ~ 2300	
Impact per minute	0 ~ 3500	
Weight*1 (inc. battery)	approx. 1.5kg (EYFB41B), approx. 1.7kg (EYFB43B)	
Size	Length	381mm (EYFB41B), 399mm (EYFB43B)
	Height	approx. 96mm (Height of battery pack: approx. 101mm)
	Width	approx. 60mm (Width of battery pack: approx. 75mm)
Torque adjustment	√	
Cross thread reduction	√ (The tool rotates approx. 360 degree in reverse before fastening starts. Possible to choose ON/OFF)	
Rundown error detecting	√ (Alert with Red light. Possible to set between 0 ~ 3 sec.. 0.1 sec. per stage)	
Maintenance interval alarm function	√ (Possible to set between 0 - 99hours. 1hour per stage)	
Retightening prevention function	√ (Possible to set between 0 ~ 0.9sec.. 0.1 sec. per stage)	
LED light	√ (Possible to choose from the 2 LED light modes. by ON/OFF switch or trigger switch interlocked)	
Buzzer	√ (Possible to choose from the 3 buzzer modes, No buzzer, buzzer with OK or buzzer with NOK)	
Tightening confirmation lamp	√ (OK fastening: Green lamp. NOK fastening: Red lamp)	
Battery indication lamp	√ (3 stage)	
Auto battery shut down	√	
Work capacity / Fastening speed	<M10: 53 N·m, Stage: 25> (EYFB41B) approx. 120 pcs/pack, approx. 2.2 sec/1pcs (EYFB43B) approx. 210 pcs/pack, approx. 2.2 sec/1pcs	
Charging time	(Battery Pack EYFB41, Charger EYOL82B) Usable Charge: approx. 35min., Full Charge: approx. 40min (Battery Pack EYFB43, Charger EYOL82B) Usable Charge: approx. 45min., Full Charge: approx. 60min	

√ Available *1 Weights are described in 0.05kg increment. *There are models limited to particular region.

Tightening Torque Chart (for Reference Use)



The values illustrated on this chart were measured under Panasonic measuring condition and are provided for reference purposes. Actual tightening torque varies with ambient conditions (the particular bolt being tightened, hardware being used, method of holding the bolt in place, etc.).

<Optional Accessory>

14.4V Li-Ion Battery Pack
EYFB43B, EYFB41B



EYFB41B
(2.0Ah)

Charger
EYOL82B



Remote Control
EYFA31B



Protector for Battery
EYFA04-H (gray)
EYFA06-H (gray)



EYFA06
(for EYFB41B)

Tool Hanger
EYFA41B



Protector for Tool
EYFA12
-A (blue), -Y (yellow)
-H (gray), -G (green)



Panasonic Quality Control Monitoring

With highly efficient tools and qualifiers, Panasonic offers a reliable Quality Control System



The transmitter is completely stored in the tool's grip part. Same tool body size and only approx. 15g more weight compared to the Non Wireless Communication model.



Panasonic Wireless Communication System

System Flow Chart of Wireless Communication System



OK/NOK light on the tool housing flashes green/red to indicate the completion of each fastener.

Wireless Communication

OK/NOK signal and Tool ID Data is transmitted from the tool to the qualifier.



Green light Indicates a successful fastening. Red light indicates unsuccessful fastening.

PLC (sequencer)

From the qualifier the following data can be output to PLC
•OK/NOK

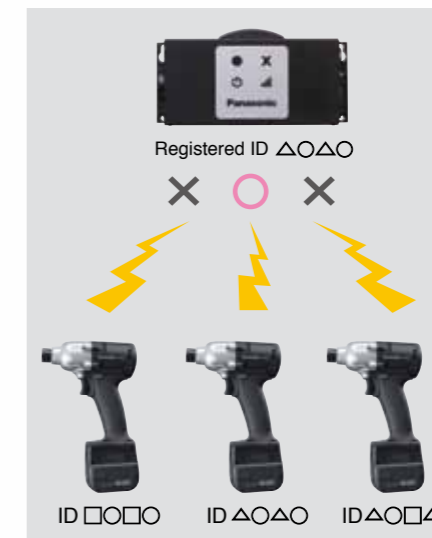
Functionality Chart (Combination of tool body and accessories)

	Improving fastening quality with Torque Control	Transmission of OK/NOK signal	Storing the OK/NOK signal data <small>*The data is stored in a computer</small>
Tool body+ Assembly qualifier + PLC (sequencer)	○	○	×
Tool body only	○	×	×



Tool Distance

A highly reliable data signal can be transmitted if the tool is within 10m of the assembly qualifier and if there are no barriers between the tool and qualifier.



ID management is not required

The qualifiers accept only registered ID. There is no interference even when multiple tools are used on the production line.



Out of Range Disable Function

In the event that wireless communication cannot be completed between the tool and the qualifier, the tool will be disabled and cannot be operated. Operation of this function is set on the tool body with remote control.

EYFR02B		Recommended range	10m*	
		Rated supply voltage	AC100-230V, 50/60Hz	
		Power consumption	4.4W - 4.6W	
		No. of connected devices	1	
		Communication Data	OK/NOK signal (Pokayoke)	
		Function settings	With PC	
		ID settings	With Soft key	
		Reset input	60mA at 24V	
		External connection output	5A at 250VAC or 5A at 30VDC	
		Operating temperature range	-10°C (14°F) ~ 60°C (140°F)	
		Weight	1.15kg	
		Dimensions (LxHxW)	254mmx119mmx73mm	
		Function	Out of range disable function	● (On/Off of this function can be switched on the tool body)
			Fastener count function	- (Needed to be set by external device)
Compatible tools		EYFLA4AR, EYFLA5AR, EYFLA5QR, EYFLA6JR, EYFMA1JR, EYFGA1NR, EYFGA2NR, EYFGA3NR		

*Communication range varies with operating environment. The presence of metal walls, people, or other objects may result in decreased range.

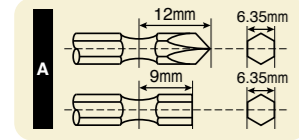
There is a risk of less communication range and/or communication error in conditions as below.

- Obstacle to disturb radio wave such as metals and/or reinforced concrete between tool and qualifier
- Metal cover on qualifier's antenna
- Operator's body between tool and qualifier
- Devices creating radio noise such as PC and/or mobile phone near tool and/or qualifier

*If strength of radio signal is weak and/or qualifier's reaction speed is slow, change qualifier's location and/or channel setting.

10.8V/ 14.4V Shut-off Impact Driver & Wrench with Wireless Communication

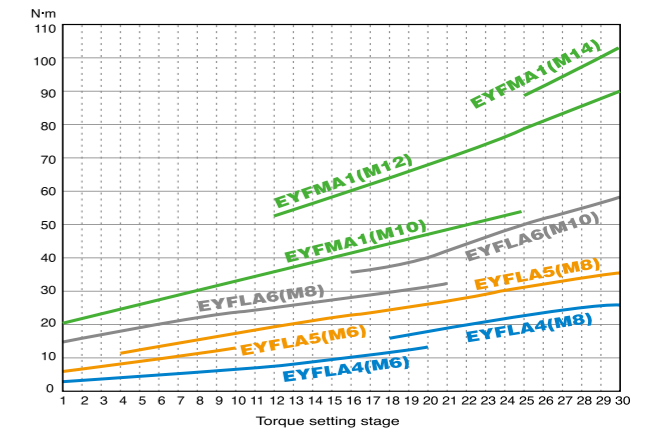
Applicable bit size for quick change chuck



Cordless Impact Driver		Cordless Impact Wrench			
EYFLA4AR	EYFLA5AR	EYFLA5QR	EYFLA6JR	EYFMA1JR	
10.8V Wireless Communication Brushless Motor	10.8V Wireless Communication Brushless Motor	10.8V Wireless Communication Brushless Motor	10.8V Wireless Communication Brushless Motor	14.4V Wireless Communication Brushless Motor	
3.0Ah 2.0Ah	3.0Ah 2.0Ah	3.0Ah 2.0Ah	3.0Ah 2.0Ah	4.0Ah 2.0Ah	
*Battery pack is not included		*Battery pack is not included		*Battery pack is not included	

Chuck / Anvil type		1/4" Hex quick change		1/4" Hex quick change		9.5mm Sq. drive Pin-hole		12.7mm Sq. drive Pin-hole		12.7mm Sq. drive Pin-hole			
Application		Screw M5·M6 (Normal-Tensile bolt) M8 bolt (Normal bolt)		M6 bolt (Tensile bolt) M8 bolt (Normal bolt)		M6 bolt (Tensile bolt) M8 bolt (Normal bolt)		M8 bolt (Tensile bolt) M10 bolt (Normal bolt)		M10 bolt (Tensile bolt) M12 bolt (Normal-Tensile bolt) M14 bolt (Normal bolt)			
Maximum torque (F mode, fastening 3 sec.)		approx. 40 N·m (M10 bolt)		approx. 90 N·m (M14 bolt)		approx. 90 N·m (M14 bolt)		approx. 120 N·m (M14 bolt)		approx. 185 N·m (M16 bolt)			
Shut-off range		approx. 3 ~ 22 N·m		approx. 6 ~ 30 N·m		approx. 6 ~ 30 N·m		approx. 16 ~ 53 N·m		approx. 25 ~ 100 N·m			
Torque setting		30 stage + F (without torque setting mode)						30 stage + F (without torque setting mode)					
Snug torque detection mode setting		L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications						L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications					
No load speed (unit : rpm)		stage1: 0 ~ 950 stage2: 0 ~ 1300 stage3: 0 ~ 1450 stage4 ~ 8: 0 ~ 1550 stage9 ~ 30·F: 0 ~ 2300		stage1: 0 ~ 1300 stage2: 0 ~ 1450 stage3: 0 ~ 1550 stage4 ~ 30·F: 0 ~ 2300		stage1: 0 ~ 1300 stage2: 0 ~ 1450 stage3: 0 ~ 1550 stage4 ~ 30·F: 0 ~ 2300		0 ~ 2300		0 ~ 2300			
Impact per minute		stage1: 0 ~ 1900 stage2: 0 ~ 2500 stage3: 0 ~ 2800 stage4 ~ 8: 0 ~ 3000 stage9 ~ 30·F: 0 ~ 4000		stage1: 0 ~ 2500 stage2: 0 ~ 2800 stage3: 0 ~ 3000 stage4 ~ 30·F: 0 ~ 3600		stage1: 0 ~ 2500 stage2: 0 ~ 2800 stage3: 0 ~ 3000 stage4 ~ 30·F: 0 ~ 3600		0 ~ 3000		0 ~ 3200			
Weight** (inc. battery)		EYFB30B		approx. 1.3kg				approx. 1.4kg		-			
		EYFB32B		approx. 1.15kg				approx. 1.25kg		-			
		EYFB43B		-				-		approx. 1.5kg			
		EYFB41B		-				-		approx. 1.3kg			
Size		Length		158mm		158mm		164mm		172mm			
		Height		248mm (EYFB30B), 231mm (EYFB32B)						248mm (EYFB30B), 231mm (EYFB32B)		248mm (EYFB43B), 231mm (EYFB41B)	
		Width		approx. 59mm (Width of battery pack: approx. 75mm)						approx. 59mm (Width of battery pack: approx. 75mm)			
Function		Wireless communication		√						√			
		LED light		√ (ON/OFF switch, Light turns off after five minutes automatically)						√ (ON/OFF switch, Light turns off after five minutes automatically)			
		Tightening confirmation lamp		√ (OK fastening: Green lamp, NOK fastening: Red lamp)						√ (OK fastening: Green lamp, NOK fastening: Red lamp)			
		Retightening prevention function		√ (Possible to set between 0 ~ 3 sec.. 0.1 sec. per stage)						√ (Possible to set between 0 ~ 3 sec.. 0.1 sec. per stage)			
		Battery indication lamp		√ (3 stages)						√ (3 stages)			
		Auto battery shutdown		√						√			
Work capacity / Fastening speed		<M6: 10 N·m, Stage: 19> (EYFB30B) approx. 1200 pcs/pack approx. 0.7 sec/1pcs (EYFB32B) approx. 800 pcs/pack approx. 0.7 sec/1pcs		<M8: 23 N·m, Stage: 22> (EYFB30B) approx. 800 pcs/pack approx. 0.8 sec/1pcs (EYFB32B) approx. 540 pcs/pack approx. 0.8 sec/1pcs		<M8: 23 N·m, Stage: 22> (EYFB30B) approx. 800 pcs/pack approx. 0.8 sec/1pcs (EYFB32B) approx. 540 pcs/pack approx. 0.8 sec/1pcs		<M10: 43 N·m, Stage: 23> (EYFB30B) approx. 500 pcs/pack approx. 0.9 sec/1pcs (EYFB32B) approx. 330 pcs/pack approx. 0.9 sec/1pcs		<M12: 71 N·m, Stage: 22> (EYFB43B) approx. 670 pcs/pack approx. 0.9 sec/1pcs (EYFB41B) approx. 350 pcs/pack approx. 0.9 sec/1pcs			
Charging time		(Battery pack EYFB30B, Charger EY0L82B) Usable charge: approx. 35 min. Full charge: approx. 45 min (Battery Pack EYFB32B, Charger EY0L82B) Usable Charge: approx. 35 min. Full Charge: approx. 40 min						(Battery pack EYFB30B, Charger EY0L82B) Usable charge: approx. 35 min. Full charge: approx. 45 min (Battery Pack EYFB32B, Charger EY0L82B) Usable Charge: approx. 35 min. Full Charge: approx. 40 min		(Battery pack EYFB43B, Charger EY0L82B) Usable Charge: approx. 45 min. Full Charge: approx. 60 min (Battery Pack EYFB41B, Charger EY0L82B) Usable Charge: approx. 35 min. Full Charge: approx. 40 min			

Tightening Torque Chart (for Reference Use)



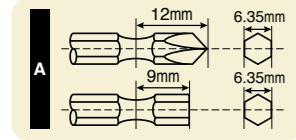
The values illustrated on this chart were measured under Panasonic measuring condition and are provided for reference purposes. Actual tightening torque varies with ambient conditions (the particular bolt being tightened, hardware being used, method of holding the bolt in place, etc.).

<Optional Accessory>

Assembly Qualifier EYFR02B	
10.8V Li-Ion Battery Pack EYFB30B, EYFB32B	14.4V Li-Ion Battery Pack EYFB43B, EYFB41B
Charger EY0L82B	Remote Control EYFA31B
Protector for Battery EYFA02-H (gray), EYFA03-H (gray), EYFA04-H (gray), EYFA06-H (gray)	
Protector for Tool EYFA01-A (blue), -Y (yellow)-H (gray), -G (green)	

10.8V Impact Driver & Wrench without Torque Control

Applicable bit size for quick change chuck



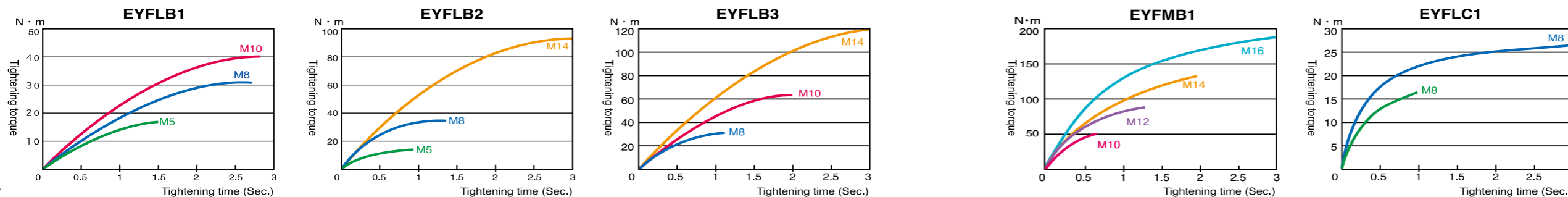
	Cordless Impact Driver			Cordless Impact Driver / Wrench		Cordless Impact Wrench		Cordless Oilpulse Driver
	EYFLB1A	EYFLB2A / EYFLB2Q	EYFLB3A / EYFLB3J	EYFMB1B / EYFMB1J	EYFLC1A			
	10.8V Brushless Motor	10.8V Brushless Motor	10.8V Brushless Motor	14.4V Brushless Motor	10.8V Brushless Motor			
	3.0Ah 2.0Ah	3.0Ah 2.0Ah	3.0Ah 2.0Ah	4.0Ah 2.0Ah	3.0Ah 2.0Ah			
	*Battery pack is not included			*Battery pack is not included				*Battery pack is not included
Chuck / Anvil type	1/4" Hex quick change			A: 1/4" Hex quick change Q: 9.5mm Sq. drive Pin-hole		A: 1/4" Hex quick change J: 12.7mm Sq. drive Pin-hole		1/4" Hex quick change
Application	Screw M5·M6 (Normal-Tensile bolt) M8 bolt (Normal bolt)			M6 bolt (Tensile bolt) M8 bolt (Normal bolt)		M8 bolt (Tensile bolt) M10 bolt (Normal bolt)		Screw M5·M6 (Normal-Tensile bolt) M8 bolt (Normal bolt)
Maximum torque (F mode, fastening 3 sec.)	approx. 40 N·m (M10 bolt)			approx. 90 N·m (M14 bolt)		approx. 120 N·m (M14 bolt)		approx. 185 N·m (M16 bolt)
No load speed (unit : rpm)	0 ~ 4000			0 ~ 2300		0 ~ 3000		0 ~ 2300
Impact per minute	0 ~ 4000			0 ~ 3600		0 ~ 3200		0 ~ 1850
Weight*1 (inc. battery)	EYFB30B	approx. 1.3kg		approx. 1.4kg		-		approx. 1.45kg
	EYFB32B	approx. 1.15kg		approx. 1.25kg		-		approx. 1.3kg
	EYFB43B	-		-		approx. 1.5kg		-
	EYFB41B	-		-		approx. 1.3kg		-
Size	Length	158mm	A: 158mm / Q: 164mm	A: 158mm / J: 172mm		172mm		158mm
	Height	248mm (EYFB30B), 231mm (EYFB32B)			248mm (EYFB43B), 231mm (EYFB41B)		248mm (EYFB30B), 231mm (EYFB32B)	
	Width	approx. 59mm (Width of battery pack: approx. 75mm)						
Function	LED light	√ (ON/OFF switch, Light off after five minutes automatically)						
	Battery indication lamp	√ (3 stage)						
	Auto battery shut down	√						
	Work capacity / Fastening speed	<M6: 10 N·m> (EYFB30B) approx. 1150 pcs/pack approx. 0.7 sec/1pcs (EYFB32B) approx. 770 pcs/pack approx. 0.7 sec/1pcs		<M8: 23 N·m> (EYFB30B) approx. 740 pcs/pack approx. 0.8 sec/1pcs (EYFB32B) approx. 500 pcs/pack approx. 0.8 sec/1pcs		<M10: 43 N·m> (EYFB30B) approx. 480 pcs/pack approx. 0.9 sec/1pcs (EYFB32B) approx. 320 pcs/pack approx. 0.9 sec/1pcs		<M12: 71 N·m, Stage: 22> (EYFB43B) approx. 670 pcs/pack approx. 0.9 sec/1pcs (EYFB41B) approx. 350 pcs/pack approx. 0.9 sec/1pcs
Charging time	(Battery pack EYFB30B, Charger EY0L82B) Usable charge: approx. 35 min. Full charge: approx. 45 min. (Battery Pack EYFB32B, Charger EY0L82B) Usable Charge: approx. 35 min. Full Charge: approx. 40 min							(Battery pack EYFB30B, Charger EY0L82B) Usable charge: approx. 35 min. Full charge: approx. 45 min.

<Optional Accessory>

10.8V Li-Ion Battery Pack EYFB30B, EYFB32B	14.4V Li-Ion Battery Pack EYFB43B, EYFB41B
Charger EY0L82B	Remote Control EYFA31B
Protector for Battery EYFA02-H (gray), EYFA03-H (gray), EYFA04-H (gray), EYFA06-H (gray)	
Protector for Tool EYFA01-A (blue), -Y (yellow)-H (gray), -G (green)	

√ Available *1 Weights are described in 0.05kg increment. *There are models limited to particular region.

Tightening Torque Chart (for Reference Use)



The values illustrated on this chart were measured under Panasonic measuring condition and are provided for reference purposes. Actual tightening torque varies with ambient conditions (the particular bolt being tightened, hardware being used, method of holding the bolt in place, etc.).

For hard-to-reach narrow applications



4 model lineups for the below cordless impact wrenches



Attachment for narrow application

EYFA50 (for Cordless Impact Wrench EYFLA8C)

EYFA51 (for Cordless Impact Wrench EYFLA9C)

EYFA52 (for Cordless Low Noise Impact Wrench EYFLF2XC)

EYFA53 (for Cordless Right Angle Impact Wrench EYFME1C)

Specification		
		*numbers are approx.
Performance (Bolt dia.)	M8 (Normal to Tensile bolt)	EYFA50, EYFA51
	M8 (Normal bolt)	EYFA52, EYFA53
Output side dimension	Dia.12mm	
Input side dimension	EYFA50, 52, 53	□9.5mm
	EYFA51	□12.7mm
Max. torque*	EYFA50 (with EYFLA8)	19N·m (3 sec)
	EYFA51 (with EYFLA9)	26N·m (2 sec)
	EYFA52 (with EYFLF2)	15N·m (3 sec)
	EYFA53 (with EYFME1)	14N·m (3 sec)
Performance-Speed*	EYFA50 (with EYFLA8)	170 settings, 3 sec/setting (EYFB30) 110 settings, 3 sec/setting (EYFB32)
	EYFA51 (with EYFLA9)	150 settings, 2 sec/setting (EYFB30) 100 settings, 2 sec/setting (EYFB32)
	EYFA52 (with EYFLF2)	230 settings, 3 sec/setting (EYFB30) 145 settings, 3 sec/setting (EYFB32)
	EYFA53 (with EYFME1)	270 settings, 3 sec/setting (EYFB43) 130 settings, 3 sec/setting (EYFB41)
	Weight (attachment only, with protector)	EYFA50
	EYFA51	700g
	EYFA52	710g
	EYFA53	700g

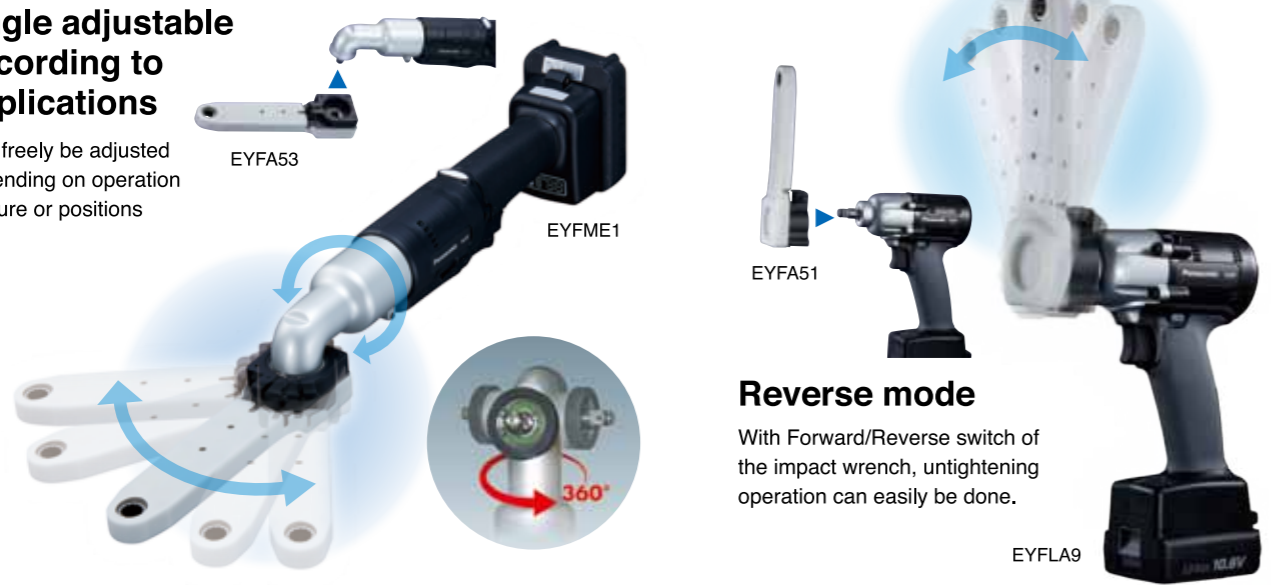
*The data are reference values based on our measurement conditions.



Attachment mount for existing Panasonic impact wrenches

Angle adjustable according to applications

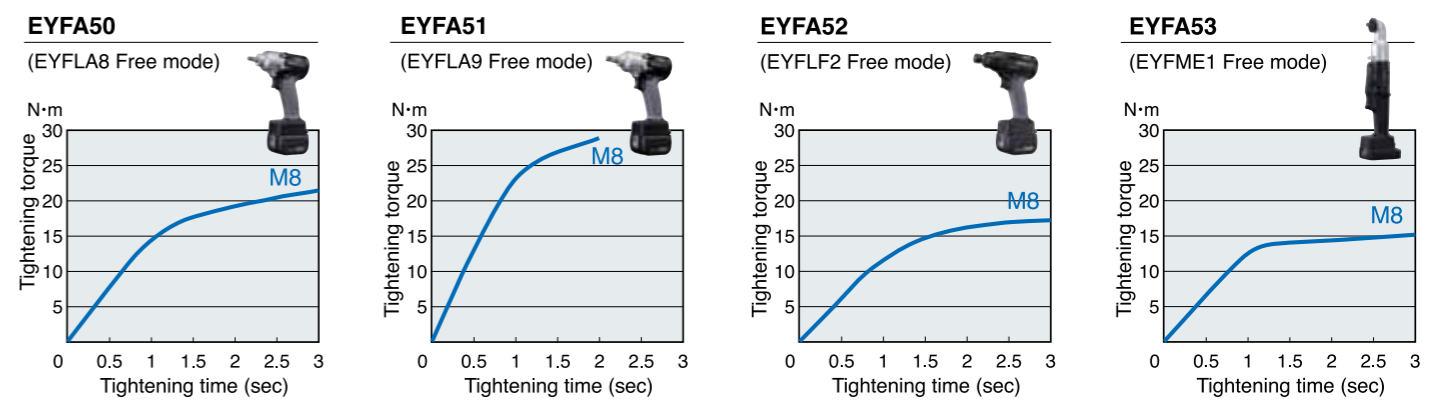
Can freely be adjusted depending on operation posture or positions



Reverse mode

With Forward/Reverse switch of the impact wrench, untightening operation can easily be done.

Tightening torque reference chart



Dimension

() value with protector *Dimension unit: mm *numbers are approx.

- Output gear**
M8 (dia. 12mm)
- Housing**
dimension, shape, common for all models
- Pistol type**
Dimension with EYFA50 mounted
Tool: EYFLA8C
- Right angle type**
Dimension with EYFA53 mounted
Tool: EYFMEC1

model number	dimension
EYFA50	□ 9.5mm
EYFA51	□ 12.7mm
EYFA52	□ 9.5mm
EYFA53	□ 9.5mm

model number	compatible tool	D	E
EYFA50	EYFLA8C	67.1	25
EYFA51	EYFLA9C	67.1	25
EYFA52	EYFLF2XC	67.3	30
EYFA53	EYFME1C	67.1	13.5

14.4V Precision Screwdriver



Various Fastening Support Features

High Accuracy
 $10\% \cdot Cmk \geq 1.67^*$
 (ISO5393)

*In $\geq 3N \cdot m$ range.
 Measured with the maximum RPM setting

Possible to set suitable RPM by remote

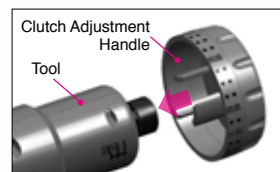


3 model line-up can cover a wide range of applications

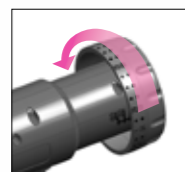
Model	Speed (rpm)	Torque (N·m)
EYFGA1N/NR	150-800 rpm	2-5.5N·m
EYFGA2N/NR	150-750 rpm	5-8N·m
EYFGA3N/NR	150-450 rpm	5-10N·m

Accurate and Easy 60 Stage Adjustable Clutch

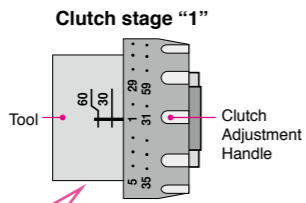
Rotating the clutch adjustment handle clockwise to increase torque and counter clockwise to decrease torque



① Insert the clutch adjustment handle into the nose of the tool



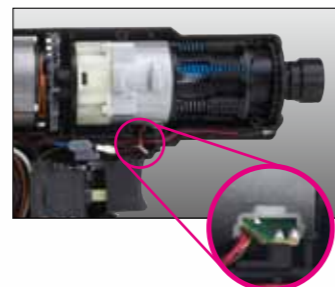
② Turn and set



Quickly set the torque by adjusting the scale

Durable Design

Long Life Clutch with Photo Interrupter Sensor



The Photo Interrupter Sensor, which senses the clutch plate movement, increases clutch life by not relying on mechanical contacts that wear.

More Features



Compact and Lightweight
 A well balanced compact and light design



LED Light
 For operations in dimly lit place



Tool Hanger
 The tool can be hung on the balancer



Remote Control
 Tool setting can be set only by remote control.



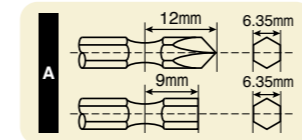
Color Plate for Differentiation
 Each tool model is color coded for easy identification.

Various Support Features



14.4V Screw Driver with Torque Control

Applicable bit size for quick change chuck



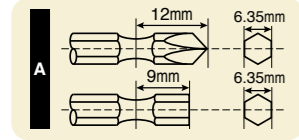
Cordless Screwdriver			
	EYFGA1N	EYFGA2N	EYFGA3N
	14.4V	14.4V	14.4V
	Brushless Motor	Brushless Motor	Brushless Motor
	4.0Ah 2.0Ah	4.0Ah 2.0Ah	4.0Ah 2.0Ah
	*Battery pack is not included		

		Single-ended 9-13mm Double-ended 12-16mm			
Chuck size					
Application		Screw M5·M6 (Normal-Tensile bolt)			
Clutch torque		Approx. 2 ~ 5.5 N·m	Approx. 5 ~ 8 N·m	Approx. 5 ~ 10 N·m	
Clutch setting stage		1 - 60, Total 60 stages (Approx. 0.08 N·m per stage)	1 - 60, Total 60 stages (Approx. 0.08 N·m per stage)	1 - 60, Total 60 stages (Approx. 0.13 N·m per stage)	
Torque accuracy		±10% · Cmk ≥ 1.67 (*Compliant with ISO5393. Measured with the Max RPM setting)(*In $\geq 3N \cdot m$ range)			
No load speed (unit: rpm)		0 ~ 800	0 ~ 750	0 ~ 450	
Weight*1 (inc. battery)	EYFB41B	approx. 1.25kg		approx. 1.3kg	
	EYFB43B	approx. 1.5kg		approx. 1.55kg	
Size (LxHxW)	EYFB41B	199mm × 232mm × 54mm (Width of battery pack: 75mm)			
	EYFB43B	199mm × 249mm × 54mm (Width of battery pack: 75mm)			
Function	Rotation speed adjustment (Max.RPM)	√ (Possible to choose the Max.RPM setting. GA1:150-800 rpm / GA2:150-750 rpm / GA3:150-450 rpm. 10RPM per stage) *Same Max.RPM in reverse rotation			
	Auto downshift function	√ (Possible to choose the timing of auto downshift between 0 ~ 3 sec. 0.1 sec. per stage)			
	Cross thread reduction	√ (The tool rotates approx. 360 degree in reverse before fastening starts. Possible to choose ON/OFF)			
	Rundown error detecting function	√ (Alert with Red light. Possible to set between 0 ~ 3 sec. 0.1 sec. per stage)			
	Maintenance interval alarm function	√ (Possible to set between 0 - 990,000 times. 10,000 times per stage)			
	Wireless communication	-			
	LED light	√ (Possible to choose from the 2 LED light modes. by ON/OFF switch or trigger switch interlocked)			
	Buzzer	√ (Possible to choose from the 3 buzzer modes, No buzzer, buzzer with OK or buzzer with NOK)			
	Tightening confirmation lamp	√ (OK fastening: Green lamp. NOK fastening: Red lamp)			
	Retightening prevention function	√ (Fixed to 0.7 sec.)			
	Battery indication lamp	√ (3 stage)			
Auto battery shut down	√				
Work capacity / Fastening speed	EYFB41B	Hard Joint 30°	approx. 1200 pcs/pack approx. 1.1 sec./1pcs (M6: 5.5 N·m)	approx. 1050 pcs/pack approx. 1.0 sec./1pcs (M6: 8 N·m)	approx. 1100 pcs/pack approx. 1.0 sec./1pcs (M6: 10 N·m)
		Soft Joint 720°	approx. 540 pcs/pack approx. 1.3 sec./1pcs (M6: 5.5 N·m)	approx. 410 pcs/pack approx. 1.3 sec./1pcs (M6: 8 N·m)	approx. 310 pcs/pack approx. 1.4 sec./1pcs (M6: 10 N·m)
	EYFB43B	Hard Joint 30°	approx. 2320 pcs/pack approx. 1.1 sec./1pcs (M6: 5.5 N·m)	approx. 2020 pcs/pack approx. 1.0 sec./1pcs (M6: 8 N·m)	approx. 2150 pcs/pack approx. 1.0 sec./1pcs (M6: 10 N·m)
		Soft Joint 720°	approx. 1070 pcs/pack approx. 1.3 sec./1pcs (M6: 5.5 N·m)	approx. 860 pcs/pack approx. 1.3 sec./1pcs (M6: 8 N·m)	approx. 620 pcs/pack approx. 1.4 sec./1pcs (M6: 10 N·m)
Charging time		(Battery Pack EYFB41, Charger EY0L82B) Usable Charge: approx. 35min. Full Charge: approx. 40min (Battery Pack EYFB43, Charger EY0L82B) Usable Charge: approx. 45min. Full Charge: approx. 60min			

√ Available *1 Weights are described in 0.05kg increment. *There are models limited to particular region.

14.4V Screw Driver with Torque Control and Wireless Communication

Applicable bit size for quick change chuck



Cordless Screwdriver		
EYFGA1NR	EYFGA2NR	EYFGA3NR
14.4V Wireless Communication 4.0Ah 2.0Ah *Battery pack is not included	14.4V Wireless Communication 4.0Ah 2.0Ah *Battery pack is not included	14.4V Wireless Communication 4.0Ah 2.0Ah *Battery pack is not included

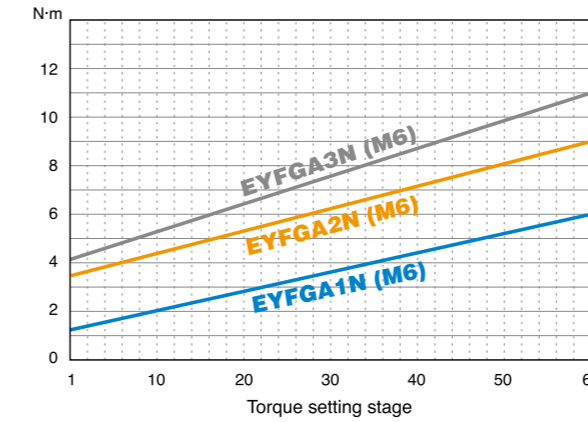
Chuck size	Single-ended 9-13mm Double-ended 12-16mm		
Application	Screw M5·M6 (Normal-Tensile bolt)		
Clutch torque	Approx. 2 ~ 5.5 N·m	Approx. 5 ~ 8 N·m	Approx. 5 ~ 10 N·m
Clutch setting stage	1 - 60, Total 60 stages (Approx. 0.08 N·m per stage)	1 - 60, Total 60 stages (Approx. 0.08 N·m per stage)	1 - 60, Total 60 stages (Approx. 0.13 N·m per stage)
Torque accuracy	±10%·Cmk≥1.67 (*Compliant with ISO5393. Measured with the Max RPM setting)(*In ≥3N·m range)		
No load speed (unit: rpm)	0 ~ 800	0 ~ 750	0 ~ 450
Weight* (inc. battery)	EYFB41B	approx. 1.25kg	approx. 1.3kg
	EYFB43B	approx. 1.5kg	approx. 1.55kg
Size (LxHxW)	EYFB41B	199mm x 232mm x 54mm (Width of battery pack: 75mm)	
	EYFB43B	199mm x 249mm x 54mm (Width of battery pack: 75mm)	

Function	Rotation speed adjustment (Max.RPM)	√ (Possible to choose the Max.RPM setting. GA1:150-800 rpm / GA2:150-750 rpm / GA3:150-450 rpm. 10RPM per stage) *Same Max.RPM in reverse rotation		
	Auto downshift function	√ (Possible to choose the timing of auto downshift between 0 ~ 3 sec. 0.1 sec. per stage)		
	Cross thread reduction	√ (The tool rotates approx. 360 degree in reverse before fastening starts. Possible to choose ON/OFF)		
	Rundown error detecting function	√ (Alert with Red light. Possible to set between 0 ~ 3 sec.. 0.1 sec. per stage)		
	Maintenance interval alarm function	√ (Possible to set between 0 - 990,000 times. 10,000 times per stage)		
	Wireless communication	√ With assembly qualifier(OK Fasten=Green Light, NOK Fasten=Red Light)		
	LED light	√ (Possible to choose from the 2 LED light modes. by ON/OFF switch or trigger switch interlocked)		
	Buzzer	√ (Possible to choose from the 3 buzzer modes, No buzzer, buzzer with OK or buzzer with NOK)		
	Tightening confirmation lamp	√ (OK fastening: Green lamp. NOK fastening: Red lamp)		
	Retightening prevention function	√ (Fixed to 0.7 sec.)		
Battery indication lamp	√ (3 stage)			
Auto battery shut down	√			

Work capacity / Fastening speed	EYFB41B	Hard Joint 30°	approx. 1200 pcs/pack approx. 1.1 sec./1pcs (M6: 5.5 N·m)	approx. 1050 pcs/pack approx. 1.0 sec./1pcs (M6: 8 N·m)	approx. 1100 pcs/pack approx. 1.0 sec./1pcs (M6: 10 N·m)
		Soft Joint 720°	approx. 540 pcs/pack approx. 1.3 sec./1pcs (M6: 5.5 N·m)	approx. 410 pcs/pack approx. 1.3 sec./1pcs (M6: 8 N·m)	approx. 310 pcs/pack approx. 1.4 sec./1pcs (M6: 10 N·m)
	EYFB43B	Hard Joint 30°	approx. 2320 pcs/pack approx. 1.1 sec./1pcs (M6: 5.5 N·m)	approx. 2020 pcs/pack approx. 1.0 sec./1pcs (M6: 8 N·m)	approx. 2150 pcs/pack approx. 1.0 sec./1pcs (M6: 10 N·m)
		Soft Joint 720°	approx. 1070 pcs/pack approx. 1.3 sec./1pcs (M6: 5.5 N·m)	approx. 860 pcs/pack approx. 1.3 sec./1pcs (M6: 8 N·m)	approx. 620 pcs/pack approx. 1.4 sec./1pcs (M6: 10 N·m)

Charging time	(Battery Pack EYFB41, Charger EY0L82B) Usable Charge: approx. 35min. Full Charge: approx. 40min (Battery Pack EYFB43, Charger EY0L82B) Usable Charge: approx. 45min. Full Charge: approx. 60min		
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Tightening Torque Chart (for Reference Use)



The values illustrated on this chart were measured under Panasonic measuring condition and are provided for reference purposes. Actual tightening torque varies with ambient conditions (the particular bolt being tightened, hardware being used, method of holding the bolt in place, etc.).

<Optional Accessory>

Assembly Qualifier EYFR02B	
14.4V Li-Ion Battery Pack EYFB43B, EYFB41B	Charger EY0L82B
Remote Control EYFA31B	Protector for Battery EYFA04-H (gray) EYFA06-H (gray)
Protector for Tool EYFA05-A (blue), -Y (yellow)-H (gray)	
Clutch Adjustment Handle EYFA32	Tool Hanger EYFA40



3.6V/7.2V Compact Screwdriver with Torque Control



Cordless Screwdriver EY7410LA2S	
3.6V	
Features	<ul style="list-style-type: none"> • 1/4" Hex quick change chuck • Cap for clutch lock out • LED work light • 30 min. charging system (Full charge)
Max.torque	Low: 4.4 N·m High: 1.5 N·m
Speed at no load	Low: 200 rpm High: 600 rpm
Clutch torque (approx.)	0.3 ~ 2.9 N·m (0.1 N·m per stage, total 21 stage)
Charging time	Usable: 15 minutes, Full: 30 minutes (using EY0L11B charger)
Weight (incl.battery)	0.5 kg
Size (LxHxW)	276 mm x 134 mm x 46 mm
Working capacity	Fastening Wood Screws in Yellow Pine ø3.1 x 13 mm 600 pcs Screws in Sheet Metal (pre-hole) M5 x 8 mm 1,000 pcs
	Drilling Holes in SPC t=1 mm, ø2 85 pcs
Standard accessory	2 X 1.5Ah Li-ion battery pack (EY9L10B) Charger (EY0L11B) Clutch lock cover

<Optional Accessory>

1.5Ah Li-ion Battery Pack EY9L10B	Charger EY0L11B



Cordless Drill & Driver EYFEA1N2S	
7.2V	
Chuck size	<input type="checkbox"/> 1/4" Hex Quick Change
Max.torque	High: 2.0 N·m Low: 6.0 N·m
Speed at no load	High: 0 ~ 900 rpm Low: 0 ~ 300 rpm
Clutch torque (approx.)	High: 0.3 N·m ~ 2.0 N·m (stage 1-10, 0.19 N·m per stage) Low: 0.3 N·m ~ 4.0 N·m (stage 1-21, 0.19 N·m per stage)
Charging time	Usable: 35 minutes, Full: 60 minutes (Battery pack EY9L20, charger EY0L20)
Weight (incl.battery)	630g
Size (LxHxW)	145mm x 198mm x 42mm
Max. screws driving	High mode: M4 screw Low mode: M5 screw
Working capacity	Fastening Screws in Sheet Metal (M2.5 x 6mm) High: Approx.1900 pcs Screws in Sheet Metal (M4 x 10mm) High: Approx.1850 pcs Screws in Sheet Metal (M5 x 8mm) Low: Approx.1450 pcs
	Standard accessory
Function	<ul style="list-style-type: none"> • Auto Shut-Off Function • Auto-Power Stop Function • LED Light • Clutch & H/L switch lock cover • Electronic brake • ESD approved (as per EN 55014-1 and -2)

<Accessory>

1.5Ah Li-ion Battery Pack EY9L20B	Charger EY0L20B

Battery Pack / Battery Charger - Compatibility Chart

