

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

Panasonic

Factory Use

Factory Tool Lineup
2024



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.

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)

- $\pm 10\%$, 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
- A series of Panasonic tools are compatible with Herutu TW-800 receivers

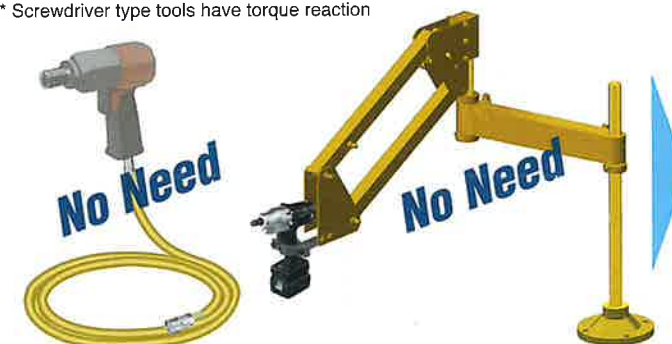


Cordless and No Reaction Benefits

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



Less Running Cost and Long Life Technology

Panasonic maximize lifetime benefits from a tool.

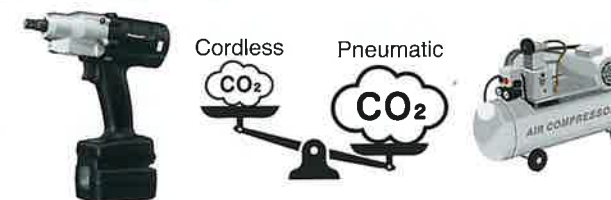
No Oil Change

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



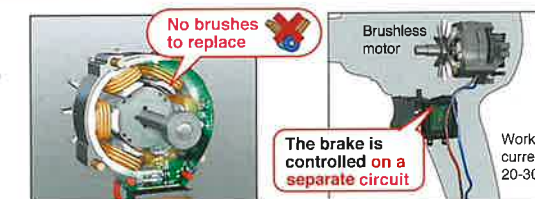
Minimum Energy Consumption

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.

Various Support Features

Advanced Fastening Features



Cross Thread Reduction

Two types of the programmable features to reduce cross thread.

Soft Start : Lower the no load speed to the tool lowest rpm for a programmable time after trigger is pulled.

Reverse Start : Small reverse rotation for alignment then rotate forward.



Retightening Prevention Function

This function prevents the tool from operating within a selected time period after it automatically stops from the torque control function. The switch will not operate even if engaged during this time period.



Variable Speed Control Function

Speed can be controlled by use of the trigger. Speed control function ON and OFF can be selected.



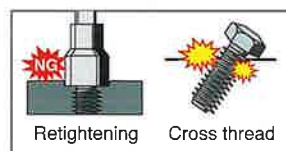
Snug Torque Detection Delay

The tool doesn't activate Snug Torque Detection mode and ignores loads in the middle of rundown for a selected time period.



Rundown Error Detecting Function

If the clutch is activated before the programmable minimum runtime, the tool alerts the operator to a NOK fastening.
(Time setting: 0.1-3.0sec, 0.1sec per stage)



- **Example with 3.0sec. normal time setting**

OK
3.0sec.

NOK
2.0sec.

NOK
0.5sec.

Finished with 3.0sec. rundown time

Finished with 2.0sec. rundown time due to cross thread

Finished with 0.5sec. rundown time due to retightening



Angle Error Shut-Off

Tool shuts off when the rundown exceeds its upper angle limit to prevent the material from damaged.



Disable Reverse

The tool is prevented from operating in reverse rotation when this function is ON.

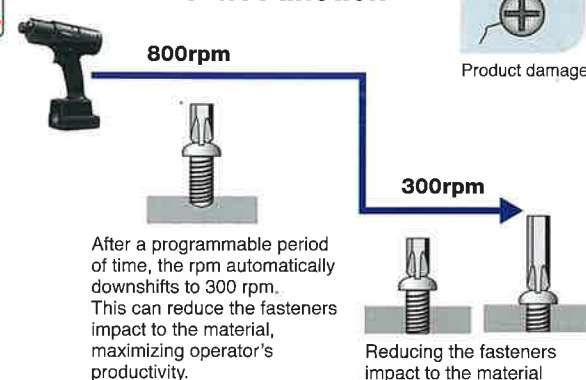


Ignore Rundown Result before Snug

When this function is ON and tool stops before snug point due to trigger release, the rundown result isn't recorded.



Auto Downshift Function



Maintenance Interval Alarm

When the total fastening times (impact tools/numbers (screwdrivers) are within 1 hours/10,000 fastenings of the preset maintenance interval, the display blinks notifying the operator. Once the tool reaches the preset interval, the tool is looked out from further use.
(Number of setting: 0-99 hours/0-990,000 fastenings)



Long Socket Mode

RPM can be adjusted depending on socket length to stabilize torque even with long socket.
(h1: for 150mm socket, h2: for 250mm socket)

Wireless Communication Features

2-way Communication

Tool settings can be automatically changed and/or tools can be remotely enabled/disabled based on preset sequence by wireless assembly controller.



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.

The Hertutu wireless compatible model does not have a range disable function.

Features Chart

		Model																																																	
		EYFMH1WC	EYFMH2WC	EYFNH1WC	EYFLA4A	EYFLA5A	EYFLA5Q	EYFLA6J	EYFLA7A	EYFLA8A	EYFLA8C	EYFLA9C	EYFLF1XA	EYFLF1XC	EYFLF2XA	EYFLF2XC	EYFMA1J	EYFMA2C	EYFME1C	EYFNA1C	EYFPA1J	EYFGA1N	EYFGA2N	EYFGA3N	EYFLA4AR	EYFLA5AR	EYFLA5QR	EYFLA6JR	EYFMA1JR	EYFGA1NR	EYFGA2NR	EYFGA3NR	EYFLA7AH	EYFLA8AH	EYFLA8CH	EYFLA9CH	EYFMA2CH	EYFLG1XA	EYFLG1XC	EYFLG2XA	EYFLG2XC	EYFLB1A	EYFLB2A	EYFLB3A	EYFLB2Q	EYFLB3J	EYFLC1A				
Wireless communication	OK•NOK result	●	●	●																																															
	Torque result	●	●	●																																															
	Angle result	●	●	●																																															
	Fastening curve	●	●	●																																															
	2-way communication	●	●	●																																															
	Out of range disable function	●	●	●																																															
Data storage	OK•NOK result	●	●	●																																															
	Torque result	●	●	●																																															
	Angle result	●	●	●																																															
	Fastening curve	●	●	●																																															
Cross thread reduction	Soft start	●	●	●									●	●	●	●																																			
	Reverse start	●	●	●					●	●	●	●	●	●	●	●		●	●	●	●	●	●	●								●	●	●	●	●	●	●	●	●	●										
Rundown error detection		●	●	●					●	●	●	●	●	●	●	●		●	●	●	●	●	●	●									●	●	●	●	●	●													
Retightening prevention		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●						●	●	●	●	●	●						●	●	●	●	●	●	●	●	●	●						
Disable reverse		●	●	●																																															
Variable speed control		●	●	●	○	○	○	○	●	●	●	●	●	●	●	●	○	●	●	●	●	●	●	●	○	○	○	○	○	○	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○
Snug torque detection delay		●	●	●					●	●	●	●	●	●	●	●		●																	●	●	●	●	●												
Angle error shut-off		●	●	●																																															
Ignore rundown result before snug		●	●	●																																															
Auto downshift function																						●	●	●									●	●	●																
Long socket mode									●	●	●	●	●	●	●	●		●																	●	●	●	●	●	●											
Maintenance interval alarm		●	●	●					●	●	●	●	●	●	●	●		●	●	●	●	●	●	●									●	●	●	●	●	●	●	●											
Pokayoke																									●	●	●	●	●	●	●	●	●	●	●	●	●	●	●												
Out of range disable function																									●	●	●	●	●	●	●	●																			

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

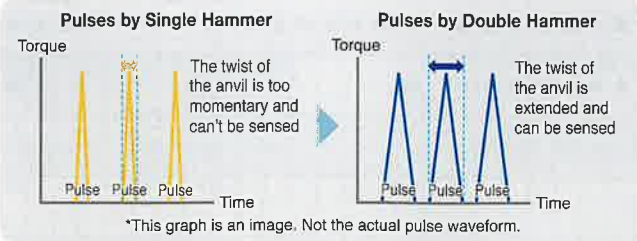
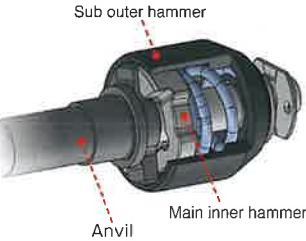
Unique High Sensitivity Torque Transducer

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

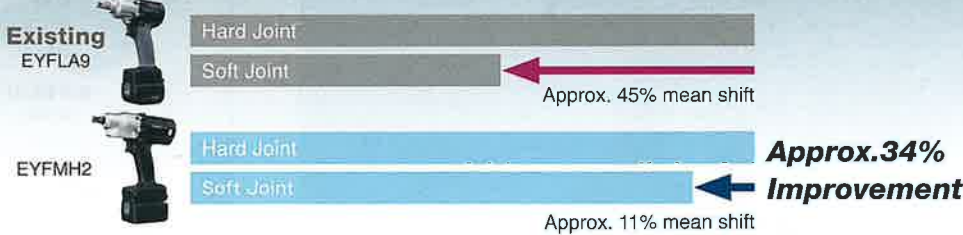
The tool can output torque value, angle value, fastening curve and other traceability data to PC · Tablet or your assembly management system.



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

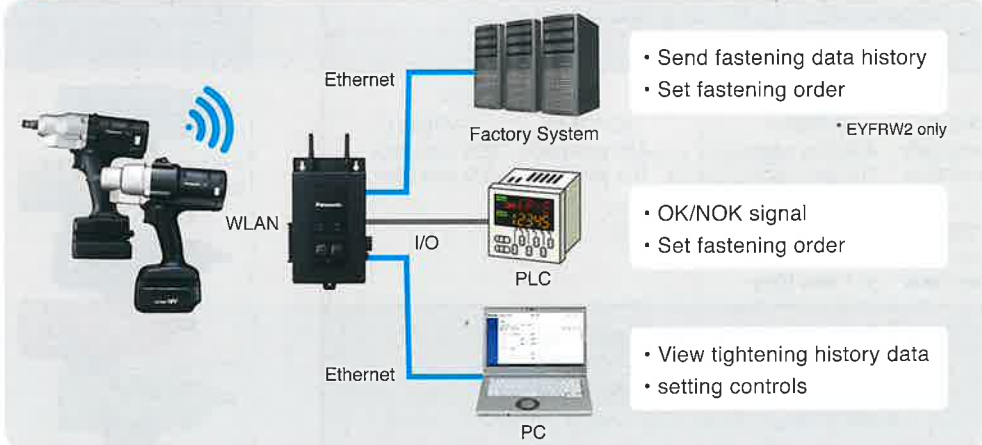
No Need
The tool causes **no reaction** and doesn't require reaction arm.

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.

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

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

14.4V

Wireless Communication

Brushless Motor

4.0Ah

2.0Ah

*Battery pack is not included



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) 940 pcs/pack 0.5 sec/1pcs (EYFB41) 490 pcs/pack 0.5 sec/1pcs <M10: 43Nm> (EYFB43) 670 pcs/pack 0.7 sec/1pcs (EYFB41) 350 pcs/pack 0.7 sec/1pcs	<M12: 71Nm> (EYFB43) 450 pcs/pack 0.9 sec/1pcs (EYFB41) 230 pcs/pack 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

18V

Wireless Communication

Brushless Motor

5.0Ah

*Battery pack is not included



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 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

Various control of tools is possible without external equipment

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

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

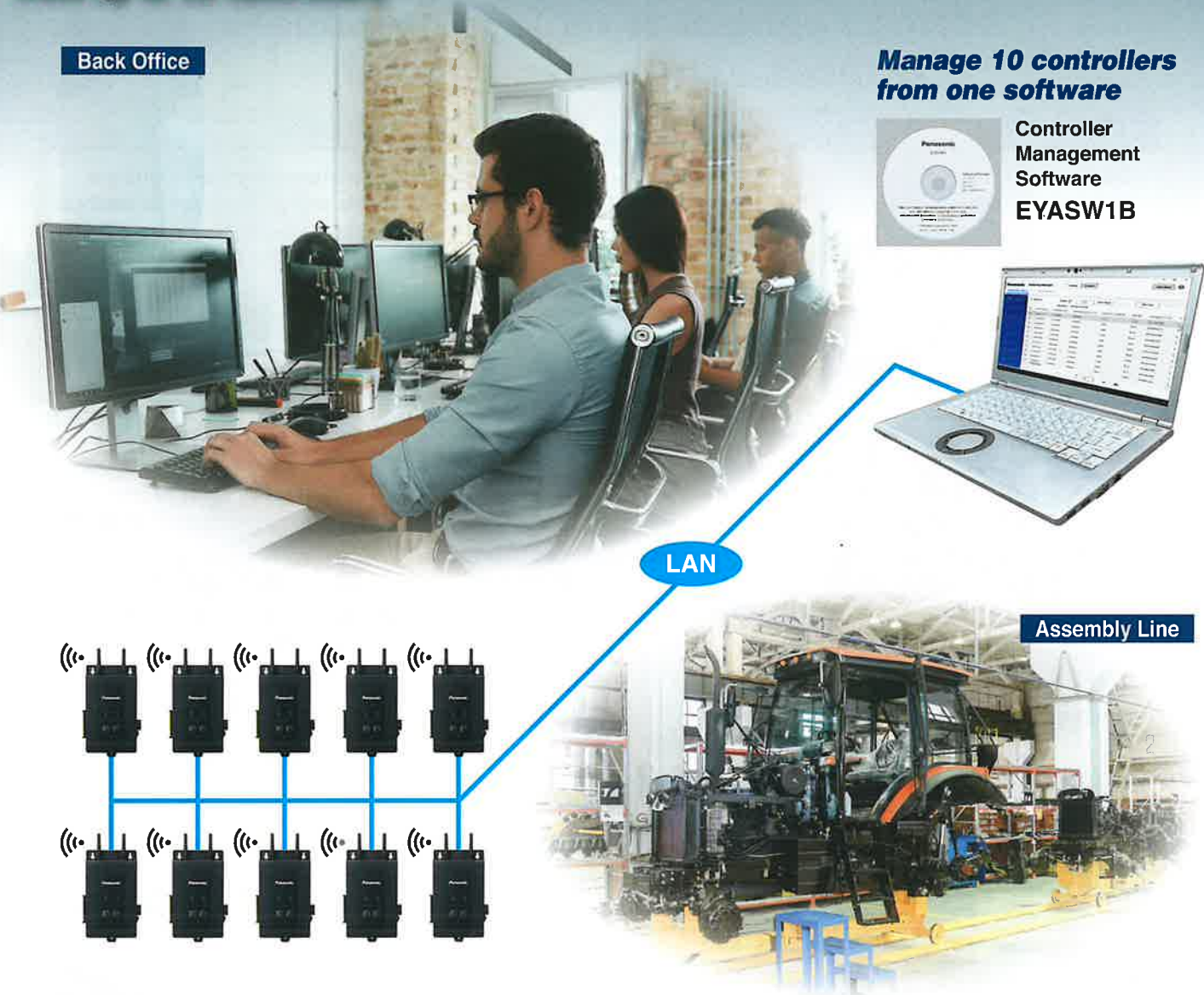


AC adapter
(NA)
WEYFRW1K7651
(EU, TUR, THA, IDN)
WEYFRW1K7751
(GBR, MYS)
WEYFRW1K7851
(CHN)
WEYFRW1K7951
(KOR)
WEYFRW1K7051
(IND)
WEYFRW1K7151



Controller Management Software

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



● 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

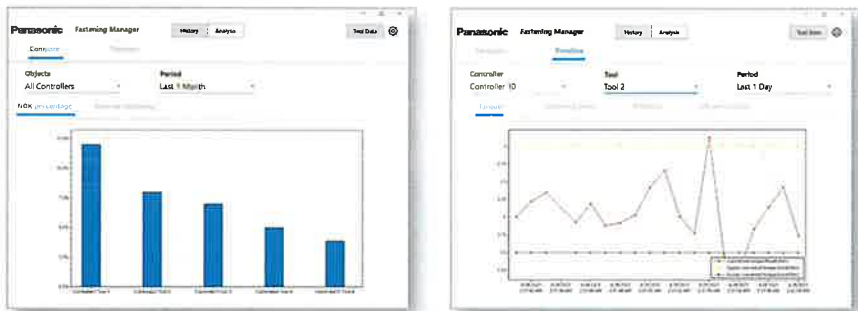
What you can do with the controller management software

1 Fastening History Data Management



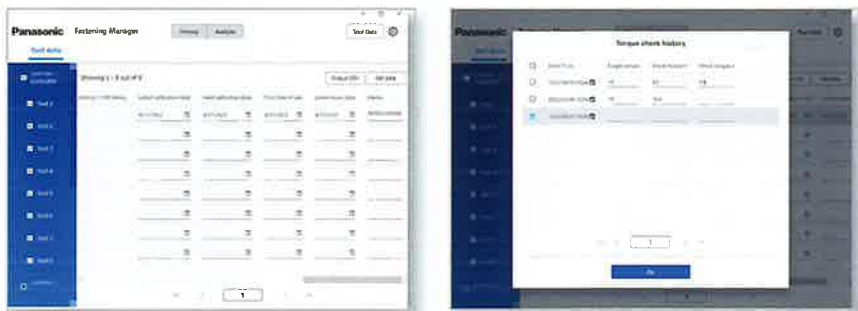
Maximum 40 million fastening history data collected from up to 10 controllers (80 tools) can be stored in one software. Your PC doesn't have to be in the same place with the controllers when the PC and controllers are in the same local area network.

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.



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

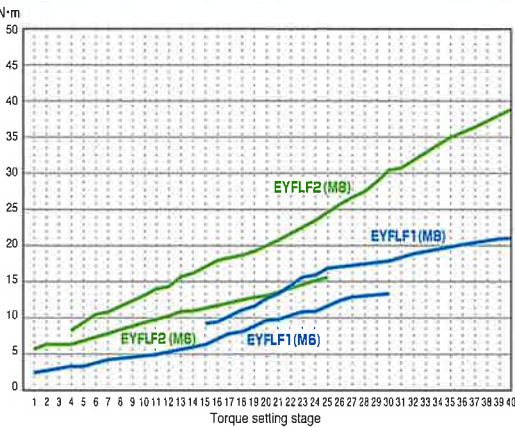
10.8V Low Noise Impact Driver & Wrench without Torque Control



Cordless Impact Driver & Wrench			
EYFLF1XA	EYFLF1XC	EYFLF2XA	EYFLF2XC
10.8V Low Noise		10.8V Low Noise	
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		10.8V Low Noise	
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								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*1 (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/s²	3.4m/s²	4.2m/s²	3.4m/s²					2.6m/s²	3.4m/s²	4.2m/s²	3.4m/s²
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)			
	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)
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.



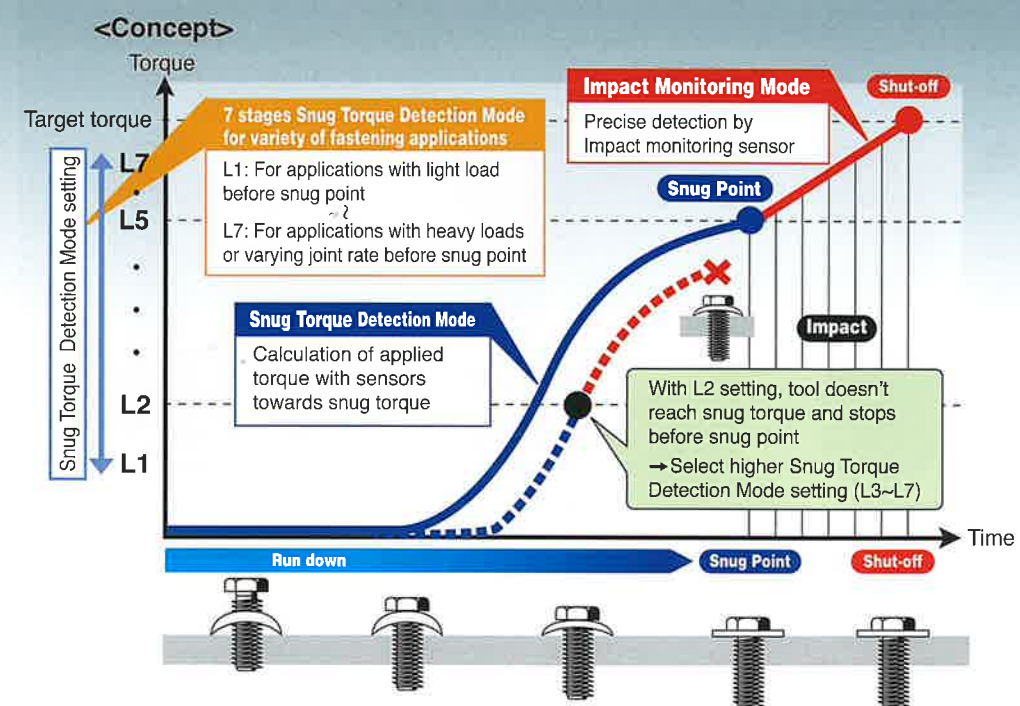
Shut-off torque can be adjusted by 40 stages



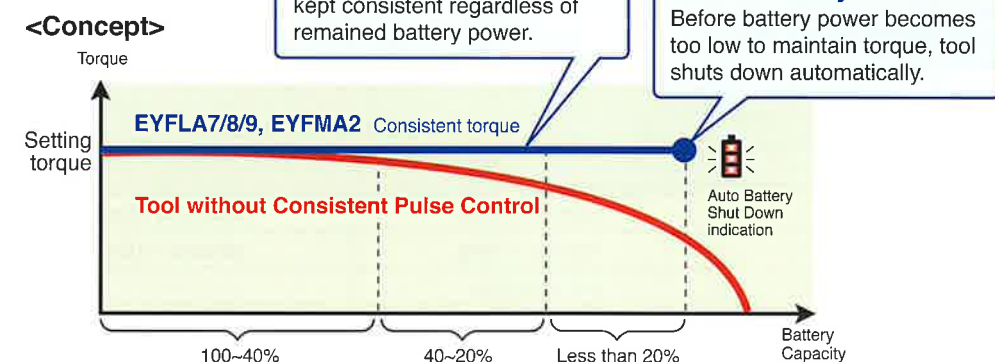
Calibration Data (only for reference purpose) Model number: EYFMA2C

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.

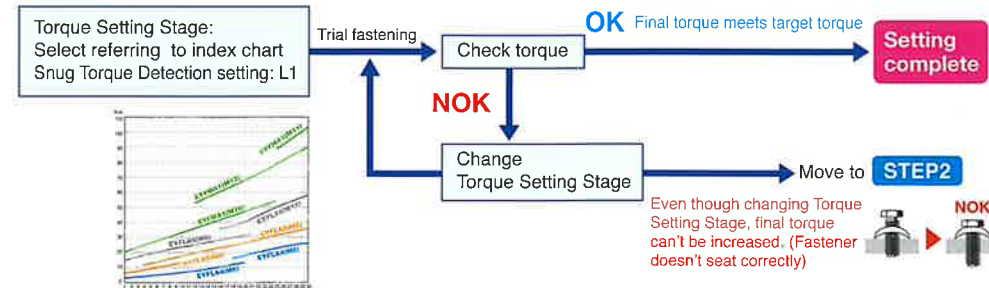


Safety for consistent torque

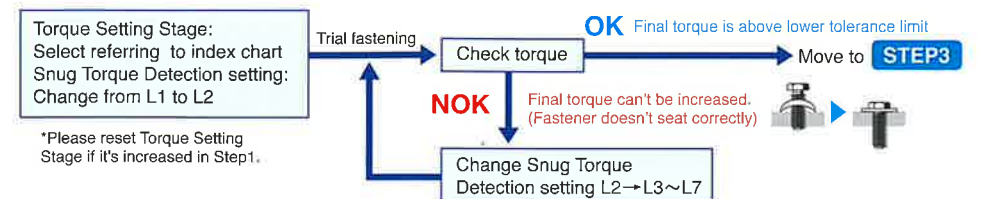


How to set

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



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.



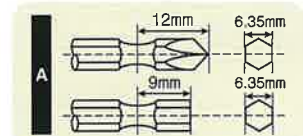
Color Plate for Differentiation
Each tool model is color coded for easy identification.

Various Support Features



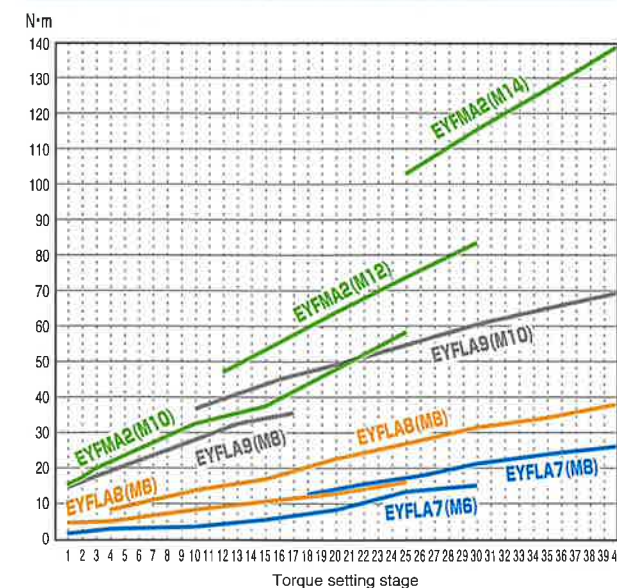
10.8V/14.4V Precision Shut-off Impact Driver & Wrench

Applicable bit size
for quick change chuck



Cordless Impact Driver				Cordless Impact Wrench	
EYFLA7A		EYFLA8A		EYFLA9C	EYFMA2C
10.8V		10.8V		10.8V	14.4V
Brushless Motor		Brushless Motor		Brushless Motor	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	*Battery pack is not included
Chuck / Anvil type		1/4" Hex quick change		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)	
Maximum torque (F mode, fastening 3 sec.)		approx. 35 N·m (M10 bolt)		approx. 80 N·m (M14 bolt)	
Shut-off range		approx. 3 ~ 22 N·m		approx. 6 ~ 30 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	
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	
Weight*1 (inc. battery)	EYFB30B	approx. 1.3kg		approx. 1.35kg	
	EYFB32B	approx. 1.15kg		approx. 1.15kg	
	EYFB43B	—		—	
	EYFB41B	—		—	
Size	Length	153mm		162mm	
	Height	249mm (EYFB30B), 231mm (EYFB32B)		172mm	
	Width	approx. 59mm (Width of battery pack: approx. 75mm)		250mm (EYFB30B), 232mm (EYFB32B) 250mm (EYFB43B), 232mm (EYFB41B)	
Vibration		5.2m/s ²		approx. 59mm (Width of battery pack: approx. 75mm)	
LED light		5.2m/s ²		5.1m/s ²	
Tightening confirmation lamp		7.0m/s ²		6.9m/s ²	
Battery indication lamp		√ (ON/OFF switch, Light turns off after five minutes automatically)		√ (ON/OFF switch, Light turns off after five minutes automatically)	
Auto battery shutdown		√ (OK fastening: Green lamp, NOK fastening: Red lamp)		√ (OK fastening: Green lamp, NOK fastening: Red lamp)	
Advanced fastening features		√ (3 stages)		√ (3 stages)	
Tool hanger		√		√	
Work capacity / Fastening speed		√ (For details of the feature, Please refer to page 7)		√ (For details of the feature, Please refer to page 7)	
Charging time		√		√	
		<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		(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)



<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 EYFA13-A (blue), -Y (yellow), -H (gray), -D (orange), -G (green)	

Panasonic Unique Shut-Off Impact Tool Series

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

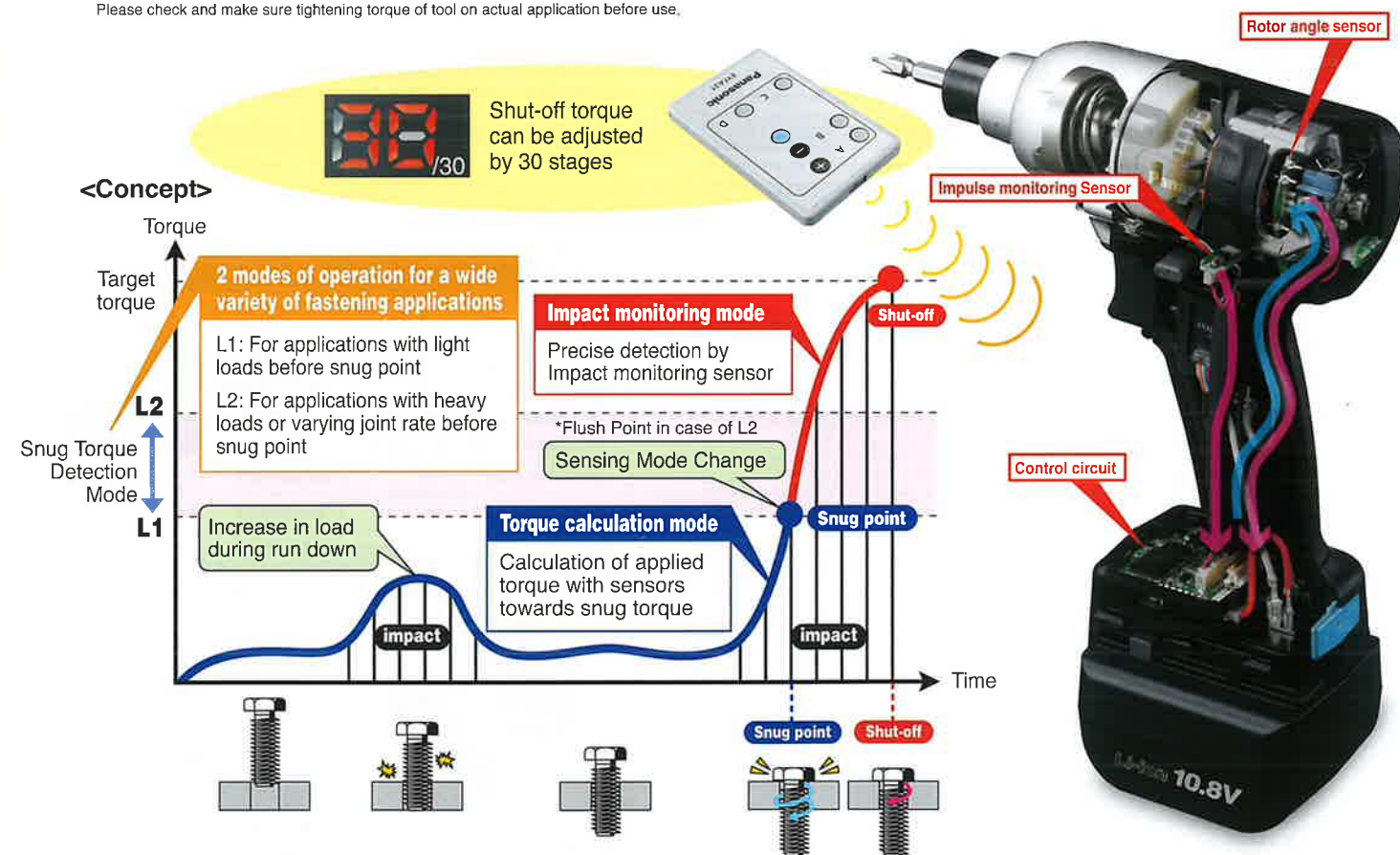
Torque Control Mechanism

- 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.*

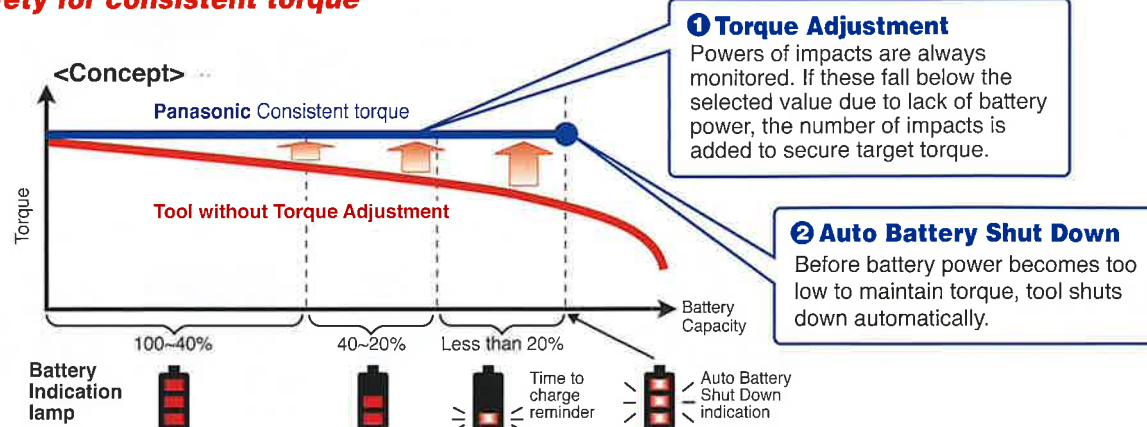
* Tightening torque may vary with ambient conditions.
Please check and make sure tightening torque of tool on actual application before use.



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



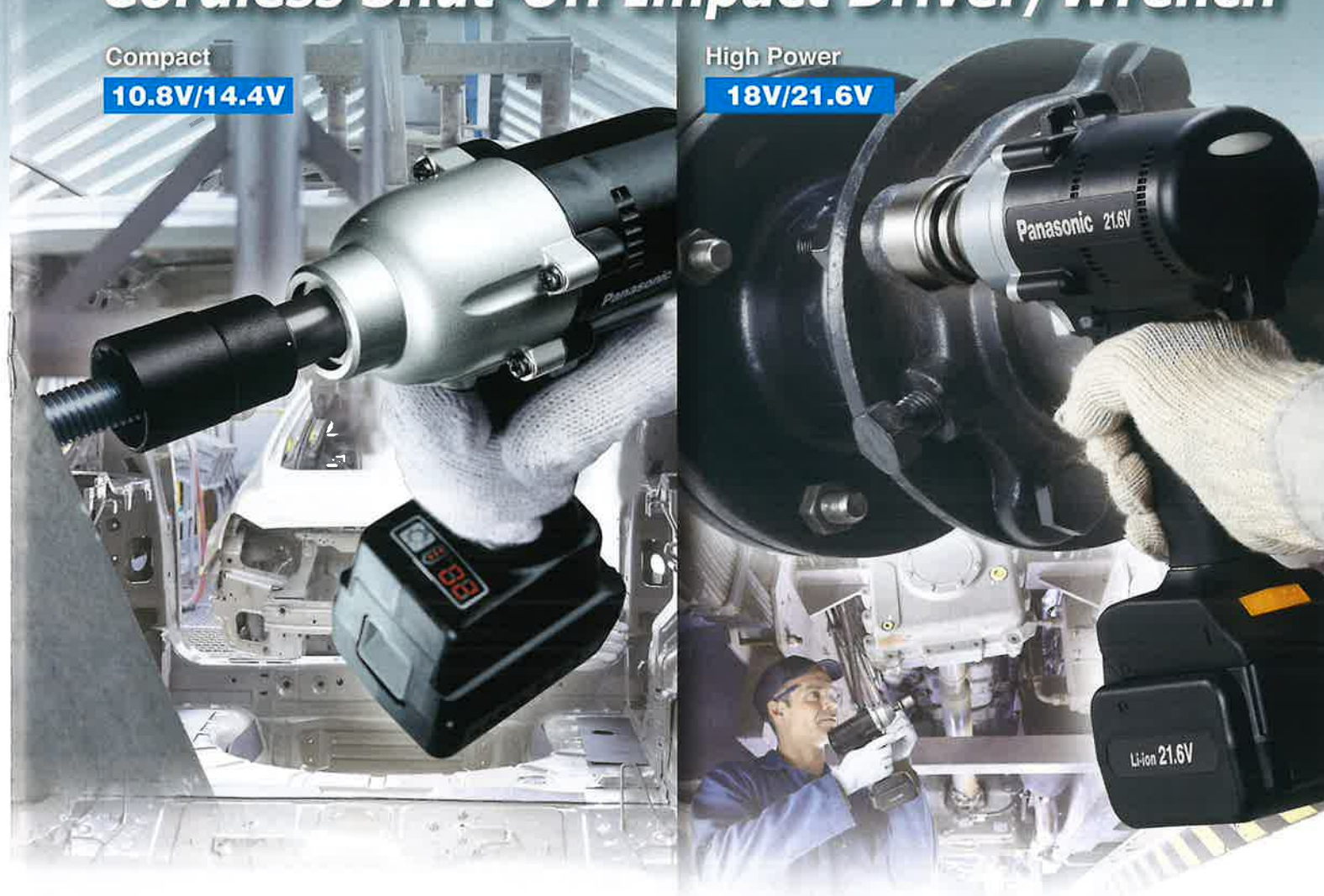
Safety for consistent torque



Cordless Shut-Off Impact Driver/Wrench

Compact
10.8V/14.4V

High Power
18V/21.6V



More Features

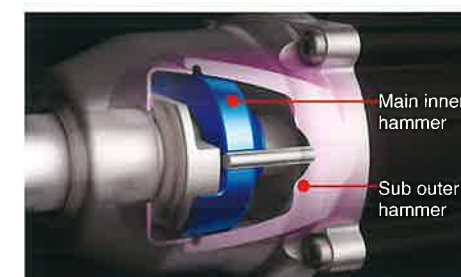
High-Efficient Double Hammer Block Mechanism (EYFNA1, EYFPA1 only)

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.

Light Weight



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



Needle Bearings

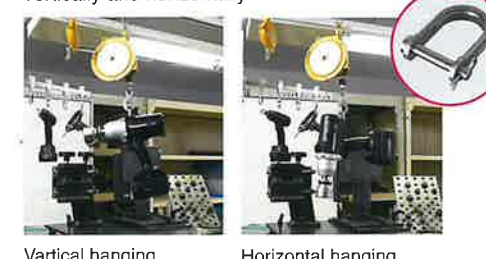
Needle Bearings on the output shaft reduce the vibration and realize longer life



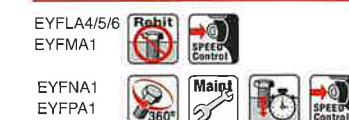
Color Plate for Differentiation
Each tool model is color coded for easy identification.










Tool Hanger (EYFNA1, EYFPA1 only)


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



Various Support Features

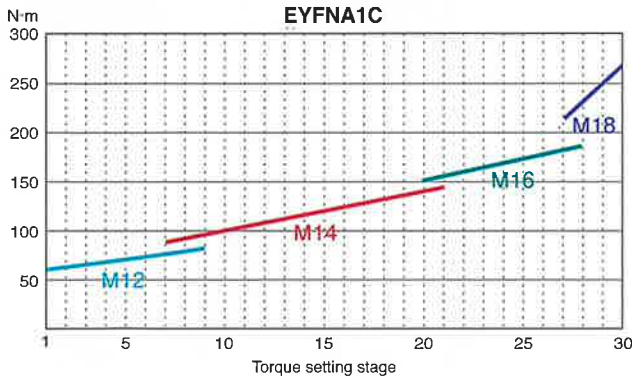







<p>10.8V Li-Ion Battery Pack EYFB30B, EYFB32B</p> <div data-bbox="2353 1050 2602 1243">  <p>EYFB30B (3.0Ah)</p> <p>EYFB32B (2.0Ah)</p> </div>	<p>14.4V Li-Ion Battery Pack EYFB43B, EYFB41B</p> <div data-bbox="2635 1050 2884 1243">  <p>EYFB43B (4.0Ah)</p> <p>EYFB41B (2.0Ah)</p> </div>
<p>Charger EYOL82B</p> <div data-bbox="2389 1352 2573 1501">  </div>	<p>Remote Control EYFA31B</p> <div data-bbox="2718 1352 2810 1491">  </div>
<p>Protector for Battery EYFA02-H (gray), EYFA03-H (gray), EYFA04-H (gray), EYFA06-H (gray)</p>	
<div data-bbox="2359 1600 2493 1696">  </div> <p>EYFA02 (for EYFB30B)</p> <div data-bbox="2478 1669 2611 1761">  </div> <p>EYFA03 (for EYFB32B)</p>	<div data-bbox="2623 1600 2760 1696">  </div> <p>EYFA04 (for EYFB43B)</p> <div data-bbox="2742 1669 2884 1761">  </div> <p>EYFA06 (for EYFB41B)</p>
<p>Protector for Tool EYFA01-A (blue), -Y (yellow)-H (gray), -G (green)</p>	
<div data-bbox="2356 1890 2884 2037">  </div>	


Cordless Impact Wrench	
EYFNA1C	
<div><div>18V</div><div></div><div>Brushless Motor</div></div>	
<div><div>5.0Ah</div><div>*Battery pack is not included</div></div>	
<div><div>Chuck / Anvil type</div><div>12.7mm Sq. drive Retainer ring and Pin-hole</div></div>	
<div><div>Application</div><div>M12 (High-Tensile bolt), M14 (Normal, High-Tensile bolt) M16 (Normal bolt), M18 (Normal bolt)</div></div>	
<div><div>Maximum torque</div><div>approx.470 N·m (M24 Tensile bolt, F mode, fastening 3sec.) approx.520 N·m (M24 Tensile bolt, F mode, fastening 5sec.)</div></div>	
<div><div>Shut-off range</div><div>approx. 70 ~ 200 N·m</div></div>	
<div><div>Torque setting</div><div>30 stage + F (without torque setting mode)</div></div>	
<div><div>Snug torque detection mode setting</div><div>L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications</div></div>	
<div><div>No load speed (unit : rpm)</div><div>0 ~ 1900</div></div>	
<div><div>Impact per minute</div><div>0 ~ 2200</div></div>	
<div><div>Weight*1 (inc. battery)</div><div>approx. 3.0kg</div></div>	
Size	<div><div>Length</div><div>233mm</div></div>
	<div><div>Height</div><div>approx. 286mm</div></div>
	<div><div>Width</div><div>approx. 77mm (Width of battery pack: approx. 76mm)</div></div>
Function	<div><div>Torque adjustment</div><div>√</div></div>
	<div><div>Cross thread reduction</div><div>√ (The tool rotates approx. 360 degree in reverse before fastening starts. Possible to choose ON/OFF)</div></div>
	<div><div>Rundown error detecting</div><div>√ (Alert with Red light. Possible to set between 0 ~ 3 sec.. 0.1 sec. per stage)</div></div>
	<div><div>Maintenance interval alarm function</div><div>√ (Possible to set between 0 - 99hours. 1hour per stage)</div></div>
	<div><div>LED light</div><div>√ (Possible to choose from the 2 LED light modes. by ON/OFF switch or trigger switch interlocked)</div></div>
	<div><div>Buzzer</div><div>√ (Possible to choose from the 3 buzzer modes, No buzzer, buzzer with OK or buzzer with NOK)</div></div>
	<div><div>Tightening confirmation lamp</div><div>√ (OK fastening: Green lamp. NOK fastening: Red lamp)</div></div>
	<div><div>Battery indication lamp</div><div>√ (3 stage)</div></div>
	<div><div>Auto battery shut down</div><div>√</div></div>
	<div><div>Work capacity / Fastening speed</div><div><M12: 100 N·m, Stage: 13> approx.500pcs/pack</div></div>
<div><div>Charging time</div><div>(Battery pack EYFB50B, Charger EY0L82B) Usable Charge: approx. 65 min. Full Charge: approx. 80 min</div></div>	

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

Tightening Torque Chart (for Reference Use)

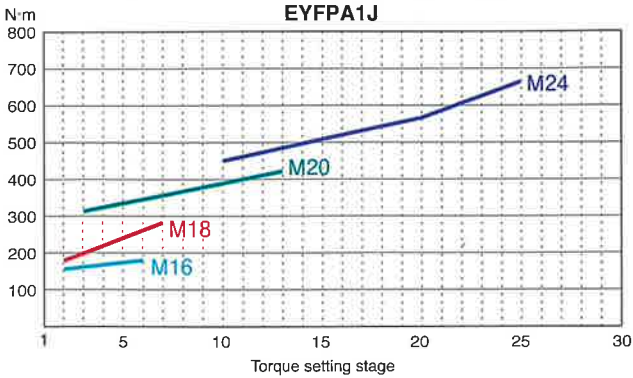


<Optional Accessory>	
18V Li-Ion Battery Pack EYFB50B	
<div><div></div><div>(5.0Ah)</div></div>	
Charger EY0L82B	
<div><div></div></div>	
Remote Control EYFA31B	
<div><div></div></div>	
Protector for Battery EYFA10-H (gray)	
<div><div></div></div>	
Tool Hanger EYFA41B	
<div><div></div></div>	
Protector for Tool EYFA09 -A (blue), -Y (yellow) -H (gray), -G (green)	
<div><div></div></div>	

Cordless Impact Wrench	
EYFPA1J	
<div><div>21.6V</div><div></div><div>Brushless Motor</div></div>	
<div><div>4.0Ah</div><div>*Battery pack is not included</div></div>	
<div><div>Chuck / Anvil type</div><div>19mm Sq. drive Pin-hole</div></div>	
<div><div>Application</div><div>M16 (High-Tensile bolt), M18 (Normal, High-Tensile bolt) M20 (Normal bolt), M24 (Normal bolt)</div></div>	
<div><div>Maximum torque</div><div>approx.700 N·m (M24 Tensile bolt, F mode, fastening 3sec.) approx.750 N·m (M24 Tensile bolt, F mode, fastening 5sec.)</div></div>	
<div><div>Shut-off range</div><div>approx. 160 ~ 650 N·m</div></div>	
<div><div>Torque setting</div><div>30 stage + F (without torque setting mode)</div></div>	
<div><div>Snug torque detection mode setting</div><div>L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications</div></div>	
<div><div>No load speed (unit : rpm)</div><div>0 ~ 1900</div></div>	
<div><div>Impact per minute</div><div>0 ~ 2200</div></div>	
<div><div>Weight*1 (inc. battery)</div><div>approx. 3.6kg</div></div>	
Size	<div><div>Length</div><div>250mm</div></div>
	<div><div>Height</div><div>approx. 295mm</div></div>
	<div><div>Width</div><div>approx. 77mm (Width of battery pack: approx. 77mm)</div></div>
Function	<div><div>Torque adjustment</div><div>√</div></div>
	<div><div>Cross thread reduction</div><div>√ (The tool rotates approx. 360 degree in reverse before fastening starts. Possible to choose ON/OFF)</div></div>
	<div><div>Rundown error detecting</div><div>√ (Alert with Red light. Possible to set between 0 ~ 3 sec.. 0.1 sec. per stage)</div></div>
	<div><div>Maintenance interval alarm function</div><div>√ (Possible to set between 0 - 99hours. 1hour per stage)</div></div>
	<div><div>LED light</div><div>√ (Possible to choose from the 2 LED light modes. by ON/OFF switch or trigger switch interlocked)</div></div>
	<div><div>Buzzer</div><div>√ (Possible to choose from the 3 buzzer modes, No buzzer, buzzer with OK or buzzer with NOK)</div></div>
	<div><div>Tightening confirmation lamp</div><div>√ (OK fastening: Green lamp. NOK fastening: Red lamp)</div></div>
	<div><div>Battery indication lamp</div><div>√ (3 stage)</div></div>
	<div><div>Auto battery shut down</div><div>√</div></div>
	<div><div>Work capacity / Fastening speed</div><div><M16: 180 N·m, Stage: 6> (EYFB61B) approx.380pcs/pack, approx. 0.7 sec/1pcs</div></div>
<div><div>Charging time</div><div>(Battery pack EYFB61B, Charger EY0L82B) Usable Charge: approx. 65 min. Full Charge: approx. 75 min</div></div>	

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

Tightening Torque Chart (for Reference Use)



<Optional Accessory>	
21.6V Li-Ion Battery Pack EYFB61B	
<div><div></div><div>(4.0Ah)</div></div>	
Charger EY0L82B	
<div><div></div></div>	
Remote Control EYFA31B	
<div><div></div></div>	
Protector for Battery EYFA08-H (gray)	
<div><div></div></div>	
Tool Hanger EYFA41B	
<div><div></div></div>	
Protector for Tool EYFA07 -A (blue), -Y (yellow) -H (gray), -G (green)	
<div><div></div></div>	

Cordless Shut-Off Angle Impact Wrench



Compact and slim right angle tool with advanced ergonomics to help improve your work efficiency

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.



Tightening Confirmation Lamp
Green light indicates tightening is completed.



360° Rotating Head
(90° step size)



Tool Hanger
The tool can be hung on the balancer.



LED Light
For operations in dimly lit place.



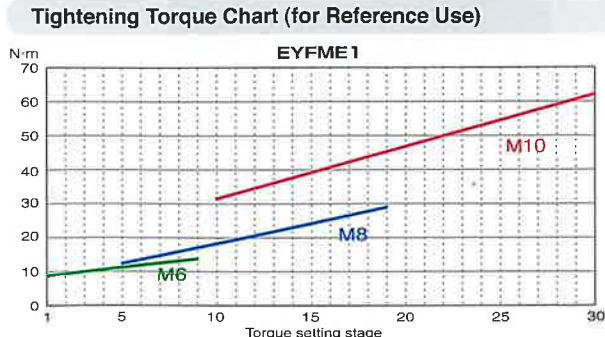
Various Support Features



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
*Rehit, 360°, Maint, and Speed Control icons	
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
Function	Width
	approx. 96mm (Height of battery pack: approx. 101mm)
	approx. 60mm (Width of battery pack: approx. 75mm)
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)
	Retightening prevention function
	✓ (Possible to set between 0 ~ 0.9sec.. 0.1 sec. per stage)
Function	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
Function	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.



<Optional Accessory>

14.4V Li-Ion Battery Pack
EYFB43B, EYFB41B



Charger
EYOL82B



Remote Control
EYFA31B



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



Tool Hanger
EYFA41B



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



Panasonic tool with Herutu model (HERUTU ELECTRONICS CORPORATION)

Compatible with a wide range of Herutu TW-800 series receivers



Herutu Pokayoke Tools



TW-800 series manufactured by HERUTU ELECTRONICS CORPORATION can be connected to Panasonic tools

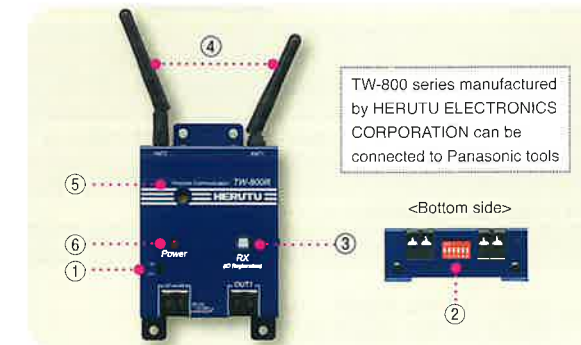
Built in transmitter

This module allows the data from your work to transfer to your system

Data flow order



TW-800 series names and functions



- | | |
|-------------------|--|
| ① Power switch | Power on and off |
| ② DIP Switch | Adjusting the alert sound (6 selection) |
| ③ RX light switch | LED lights at receiving the signal from transmitter
RX light switch used for pairing. |
| ④ Antenna | 2 antennas (Adjustable for multiple angles) |
| ⑤ Buzzer | Buzzer sounds at receiving the signal from transmitter.
(Adjustable to loud or quieter sound) |
| ⑥ Power light | Lights up when the power is on |

TW-800 Pairing process

- ① Turn on the power switch while holding the RX pairing button.
- ② Within 10 seconds reconnect the battery with the tool.
- ③ Pull the trigger and the light from the RX button should disappear and the pairing is complete.
- ④ (To adjust the alert volume, adjust selection #6 on the dip switch)

*Refer to Herutu manual for additional functions/features



Compatible tools with Herutu receiver

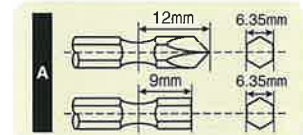
Supports M5 to M14

EYFLA7AH, EYFLA8AH, EYFLA8CH, EYFLA9CH, EYFMA2CH



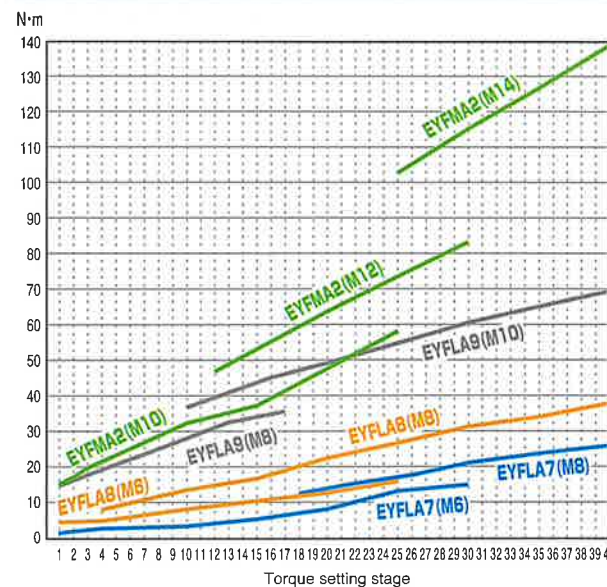
10.8V/ 14.4V Precision Shut-off Impact Driver & Wrench with Herutu Wireless Communication

Applicable bit size
for quick change chuck



Cordless Impact Driver				Cordless Impact Wrench	
EYFLA7AH		EYFLA8AH		EYFLA8CH	
10.8V Wireless Communication 3.0Ah 2.0Ah *Battery pack is not included		10.8V Wireless Communication 3.0Ah 2.0Ah *Battery pack is not included		10.8V Wireless Communication 3.0Ah 2.0Ah *Battery pack is not included	
Chuck / Anvil type		1/4" Hex quick change		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)	
Maximum torque (F mode, fastening 3 sec.)		approx. 35 N·m (M10 bolt)		approx. 80 N·m (M14 bolt)	
Shut-off range		approx. 3 ~ 22 N·m		approx. 6 ~ 30 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	
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	
Weight*1 (inc. battery)	EYFB30B	approx. 1.3kg		approx. 1.35kg	
	EYFB32B	approx. 1.15kg		approx. 1.15kg	
	EYFB43B	—		—	
	EYFB41B	—		—	
Size	Length	153mm		162mm	
	Height	249mm (EYFB30B), 231mm (EYFB32B)		172mm	
	Width	approx. 59mm (Width of battery pack: approx. 75mm)		250mm (EYFB30B), 232mm (EYFB32B) 250mm (EYFB43B), 232mm (EYFB41B)	
Vibration		5.2m/s ²		approx. 59mm (Width of battery pack: approx. 75mm)	
Wireless communication		7.0m/s ²		5.1m/s ²	
LED light		6.3m/s ²		6.9m/s ²	
Function	Tightening confirmation lamp	√ (ON/OFF switch, Light turns off after five minutes automatically)		√ (ON/OFF switch, Light turns off after five minutes automatically)	
	Battery indication lamp	√ (OK fastening: Green lamp, NOK fastening: Red lamp)		√ (OK fastening: Green lamp, NOK fastening: Red lamp)	
	Auto battery shutdown	√ (3 stages)		√ (3 stages)	
	Advanced fastening features	√		√	
	Tool hanger	√ (For details of the feature, Please refer to page 7)		√ (For details of the feature, Please refer to page 7)	
	Work capacity / Fastening speed	√		√	
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	
Charging time		<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. 400 pcs/pack approx. 0.8 sec/1pcs (EYFB32B) approx. 260 pcs/pack approx. 0.8 sec/1pcs	
Charging time		<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		(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	
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	
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 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>

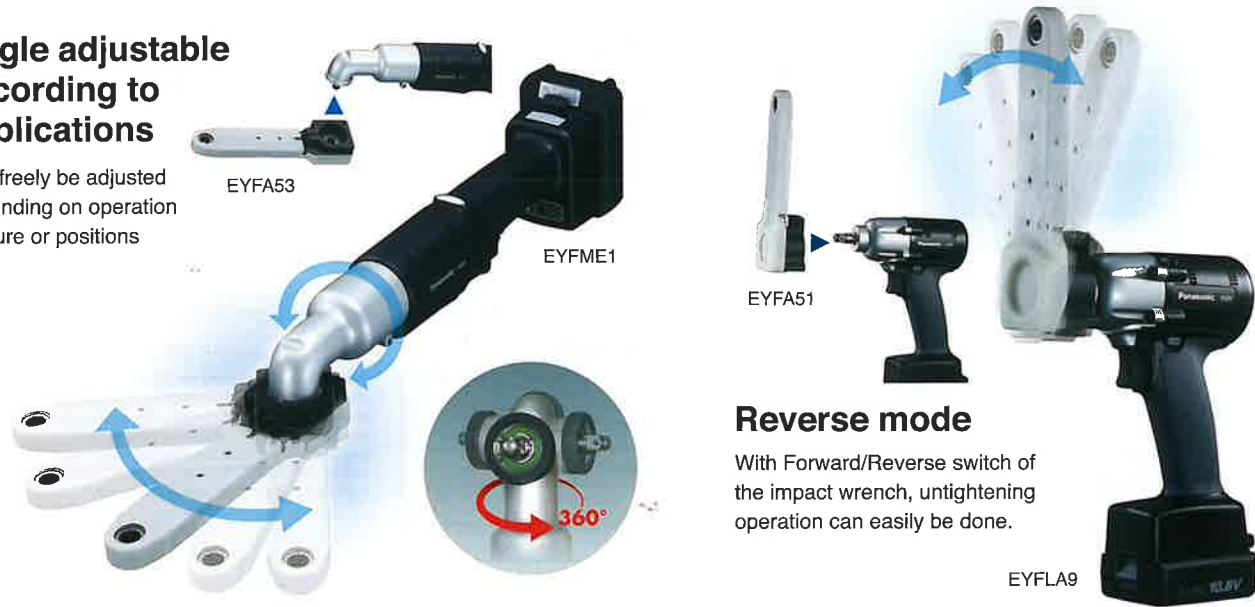
10.8V Li-Ion Battery Pack EYFB30B, EYFB32B	14.4V Li-Ion Battery Pack EYFB43B, EYFB41B
 EYFB30B (3.0Ah) EYFB32B (2.0Ah)	 EYFB43B (4.0Ah) EYFB41B (2.0Ah)
Charger EY0L82B	Remote Control EYFA31B
 EY0L82B	
 EYFA31B	
Protector for Battery EYFA02-H (gray), EYFA03-H (gray) EYFA04-H (gray), EYFA06-H (gray)	
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

For hard-to-reach narrow applications



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.

4 model lineups for the below cordless impact wrenches



Attachment for narrow application

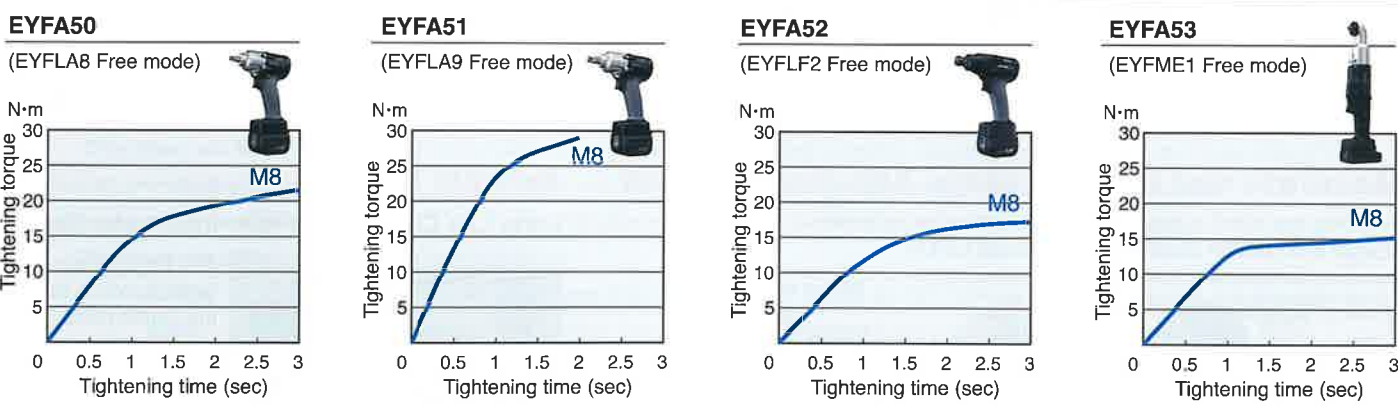
- EYFA50** (for Cordless Impact Wrench EYFLA8C)
- EYFA51** (for Cordless Impact Wrench EYFLA9C)
- EYFA52** (for Cordless Low Noise Impact Wrench EYFLF2XC)
- EYFA53** (for Cordless Right Angle Impact Wrench EYFME1C)

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)
Weight (attachment only, with protector)	EYFA53 (with EYFME1)	270 settings, 3 sec/setting (EYFB43)
		130 settings, 3 sec/setting (EYFB41)
	EYFA50	710g
	EYFA51	700g
	EYFA52	710g
	EYFA53	700g

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

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

● **Input gear**

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

● **Mounting part**

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

● **Pistol type**
Dimension with EYFA50 mounted
Tool: EYFLA8C

● **Right angle type**
Dimension with EYFA53 mounted
Tool: EYFME1C

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

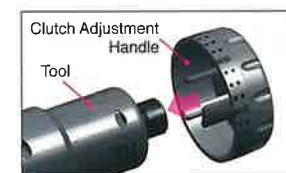


3 model line-up can cover a wide range of applications

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

Accurate and Easy 60 Stage Adjustable Clutch

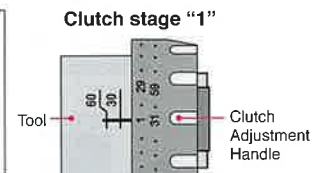
Rotating the clutch adjustment handle clockwise to increase torque and counter clockwise to decrease torque



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.



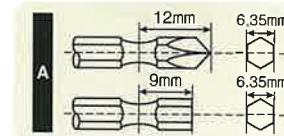
Color Plate for Differentiation
 Each tool model is color coded for easy identification.




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		*Battery pack is not included		*Battery pack is not included	
Single-ended 9-13mm Double-ended 12-16mm					
Screw M5・M6 (Normal-Tensile bolt)					
Approx. 2 ~ 5.5 N・m		Approx.5 ~ 8 N・m		Approx.5 ~ 10 N・m	
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)	
±10%・Cmk≥1.67 (*Compliant with ISO5393. Measured with the Max RPM setting)(*In ≥3N・m range)					
0 ~ 800		0 ~ 750		0 ~ 450	
approx. 1.25kg				approx. 1.3kg	
approx. 1.5kg				approx. 1.55kg	
199mm × 232mm × 54mm (Width of battery pack: 75mm)					
199mm × 249mm × 54mm (Width of battery pack: 75mm)					
√ (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					
√ (Possible to choose the timing of auto downshift between 0 ~ 3 sec. 0.1 sec. per stage)					
√ (The tool rotates approx. 360 degree in reverse before fastening starts. Possible to choose ON/OFF)					
√ (Alert with Red light. Possible to set between 0 ~ 3 sec.. 0.1 sec. per stage)					
√ (Possible to set between 0 - 990,000 times. 10,000 times per stage)					
—					
√ (Possible to choose from the 2 LED light modes. by ON/OFF switch or trigger switch interlocked)					
√ (Possible to choose from the 3 buzzer modes, No buzzer, buzzer with OK or buzzer with NOK)					
√ (OK fastening: Green lamp. NOK fastening: Red lamp)					
√ (Fixed to 0.7 sec.)					
√ (3 stage)					
√					
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)	
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)	
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)	
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)	
(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.

3.6V/7.2V Compact Screwdriver with Torque Control



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	



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	2 X 1.5Ah Li-ion battery pack (EY9L20) Charger (EY0L20) Clutch & H/L switch lock cover	
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)	

<Optional Accessory>

1.5Ah Li-ion Battery Pack EY9L10B	Charger EY0L11B

<Accessory>

1.5Ah Li-ion Battery Pack EY9L20B	Charger EY0L20B

Battery Pack / Battery Charger - Compatibility Chart

Model	Battery Pack	Charger
21.6V EYFPA1	EYFB61 (4.0Ah)	EY0L82
18V EYFNA1 EYFNH1	EYFB50 (5.0Ah)	
14.4V EYFMH1 EYFMH2 EYFMB1 EYFME1 EYFMA1 EYFMA2 EYFGA1 EYFGA2 EYFGA3	EYFB43 (4.0Ah) EYFB41 (2.0Ah)	
10.8V EYFLA4 EYFLA5 EYFLA6 EYFLB1 EYFLB2 EYFLB3 EYFLA7 EYFLA8 EYFLA9 EYFLG1 EYFLG2 EYFLF1 EYFLF2 EYFLC1	EYFB30 (3.0Ah) EYFB32 (2.0Ah)	
7.2V EYFEA1	EY9L20 (1.5Ah)	EY0L20
3.6V EY7410	EY9L10 (1.5Ah)	EY0L11