



# Panasonic®

**Panasonic Power Tools**  
Panasonic Eco Solutions Europe  
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85521 Ottobrunn - Germany

Produced in Germany 09/2017  
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[www.panasonic-powertools.eu](http://www.panasonic-powertools.eu)



### Panasonic Electric Works Europe AG

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Quality Control Monitoring

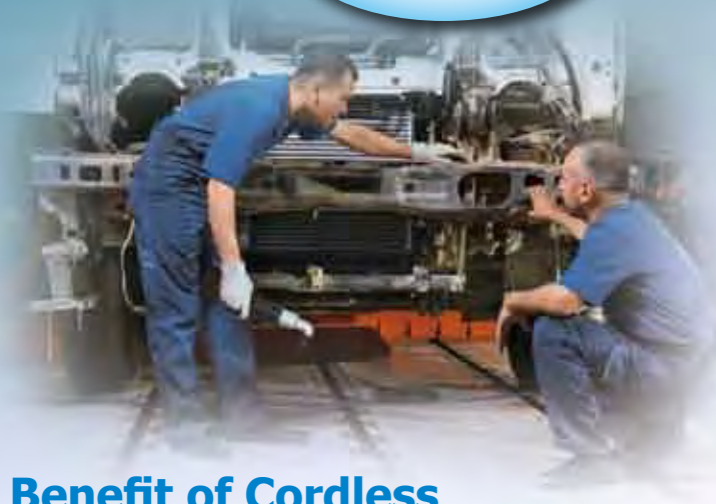
# Panasonic presents innovative cordless tools in your assembly line

3 key concepts of Panasonic assembly tools

**Quality (Torque Control)**

**User-Friendly (Safety/Comfort)**

**Eco-Friendly (Long Life)**



## Extensive Torque Control Tools line-up

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

### 10.8V/14.4V Shut-off Impact Tools

Shut-off impact driver/wrench with Panasonic's original torque control algorithm. Applicable between M6 and M12 Bolt.



### 18V/21.6V Shut-off Impact Tools

Shut-off high torque impact wrench with Panasonic's original torque control algorithm. Applicable to M12 and M24 Bolt.



### Screwdriver (With Clutch)

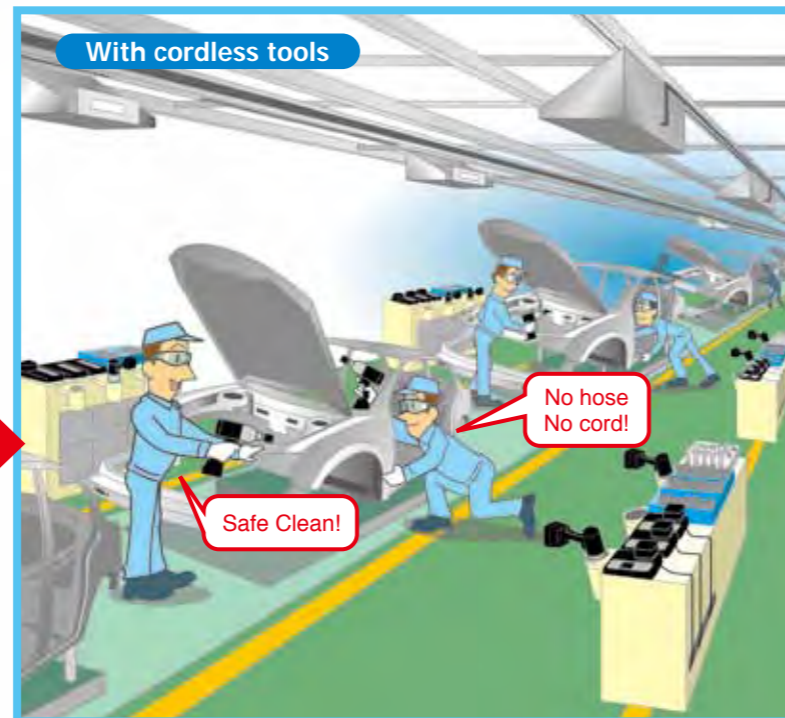
High accuracy screwdriver  $\pm 10\%$ ,  $Cmk \geq 1.67^*$  (ISO5393) Applicable to M5 and M6 Bolt.  $^*In \geq 3N \cdot m$  range. Measured with the maximum RPM setting



## Benefit of Cordless

There are huge benefits from using cordless tools, such as

- Greater flexibility in the design and layout of assembly area.
- Reduce product mutilations by eliminating air hoses.
- Increase safety by eliminating air hoses from the floor and overhead.
- Increase comfort by not having to be tethered to an air hose.



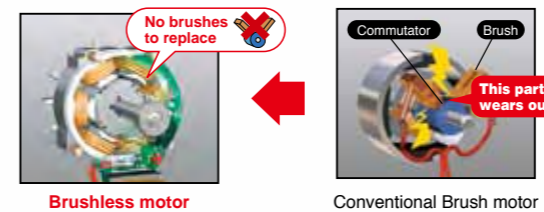
## Long life technologies

Durable parts and technology deliver longer life

### Brushless Motor

Panasonic applies long-life brushless motor. The motor doesn't have brushes and commutator which wear out as the tool is used.

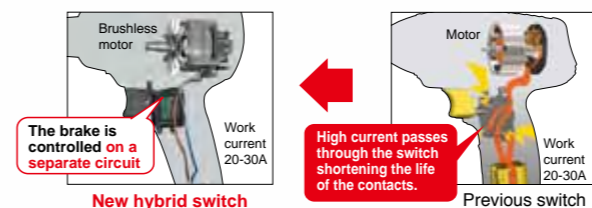
Motor – about **Twice** the life<sup>1</sup>



### Hybrid Switch

The hybrid switch has an independent circuit and high electric current doesn't run through the switch. This can prevent the switch from sparking, increasing the life of the switch.

Switch – about **Twice** the life<sup>1</sup>



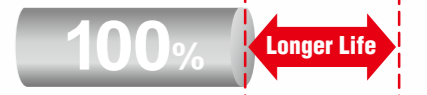
### Lithium-ion Battery

Panasonic's Lithium-ion battery technology offers high capacity and longer life compared to Ni-MH batteries.<sup>2</sup> Additionally, Lithium-ion batteries have no memory effect and may be charged at anytime.

#### Li-ion Battery



#### Ni-MH Battery



### Floating Connector

A floating communication terminal is used to absorb vibrations from continuous use. This increases the life of the connector.



<sup>1</sup> Compared with Panasonic's brush motor and non-hybrid switch.

<sup>2</sup> The comparison chart is against Panasonic's EYF581 with EY9188 battery pack. The performance may be slightly different depending on conditions.

# Innovative Line of Torque-Controlled Cordless Power Tools Designed for Manufacturing



Recommended Bolt Size	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24		
<b>Torque Control Tool</b> <b>Intelligent Auto-Shut Off Function</b> 	<b>14.4V</b> (Shut-Off Range: 2-10N·m) EYFGA1A P.25 EYFGA2A P.25 EYFGA3A P.25	<b>10.8V</b> (Shut-Off Range: 3-22N·m) EYFLA4A P.11	<b>10.8V</b> (Shut-Off Range: 6-30N·m) EYFLA5A P.11 EYFLA5Q P.11 EYFLA5B P.11	<b>10.8V</b> (Shut-Off Range: 16-53N·m) EYFLA6J P.12 EYFLA6B P.12	<b>14.4V</b> (Shut-Off Range: 25-100N·m) EYFMA1J P.12 EYFMA1B P.12	<b>18V</b> (Shut-Off Range: 70-200N·m) EYFNA1J P.21			<b>21.6V</b> (Shut-Off Range: 160-650N·m) EYFPA1J P.22			
	<b>14.4V</b> (Shut-Off Range: 2-10N·m) EYFGA1AR P.26 EYFGA2AR P.26 EYFGA3AR P.26	<b>10.8V</b> (Shut-Off Range: 3-22N·m) EYFLA4AR P.13	<b>10.8V</b> (Shut-Off Range: 6-30N·m) EYFLA5AR P.13 EYFLA5QR P.13	<b>10.8V</b> (Shut-Off Range: 16-53N·m) EYFLA6JR P.14	<b>14.4V</b> (Shut-Off Range: 25-100N·m) EYFMA1JR P.14							
	<b>Torque Control &amp; Wireless Communication Tool</b> <b>Wireless Communication</b> <b>Intelligent Auto-Shut Off Function</b> 											

# Panasonic Quality Control Monitoring

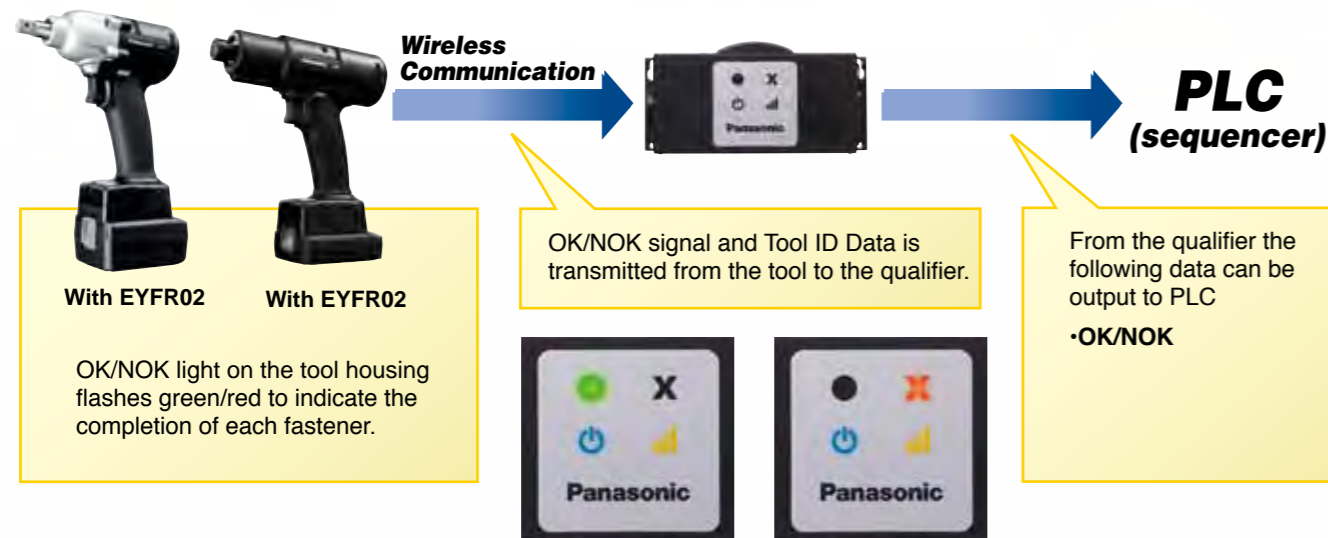
With highly efficient tools and qualifiers, Panasonic offers a reliable Quality Control System



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



Green light Indicates a successful fastening.

Red light indicates unsuccessful fastening.

### 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	○	×	×

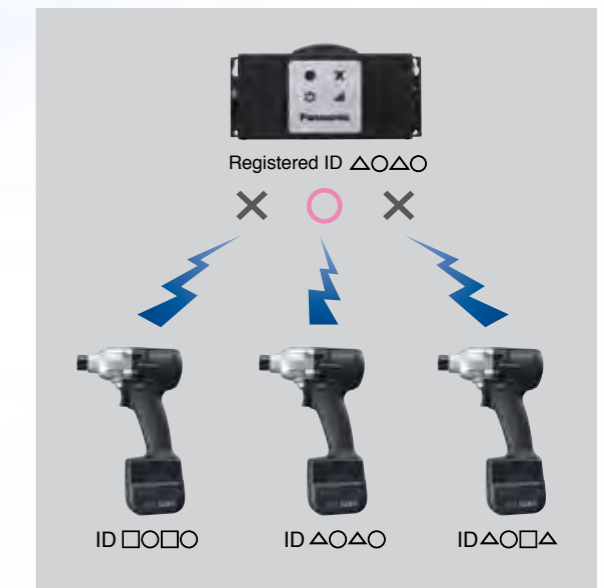
### Tool Distance

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.



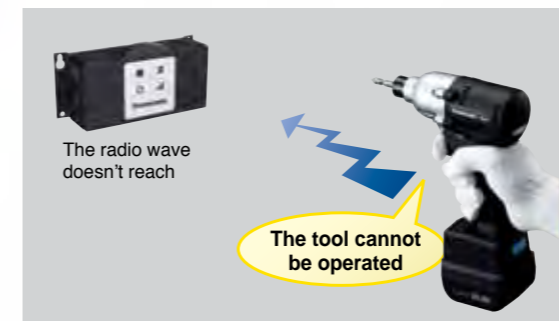
### ID management is not required

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, EYFGA1AR, EYFGA2AR, EYFGA3AR	

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

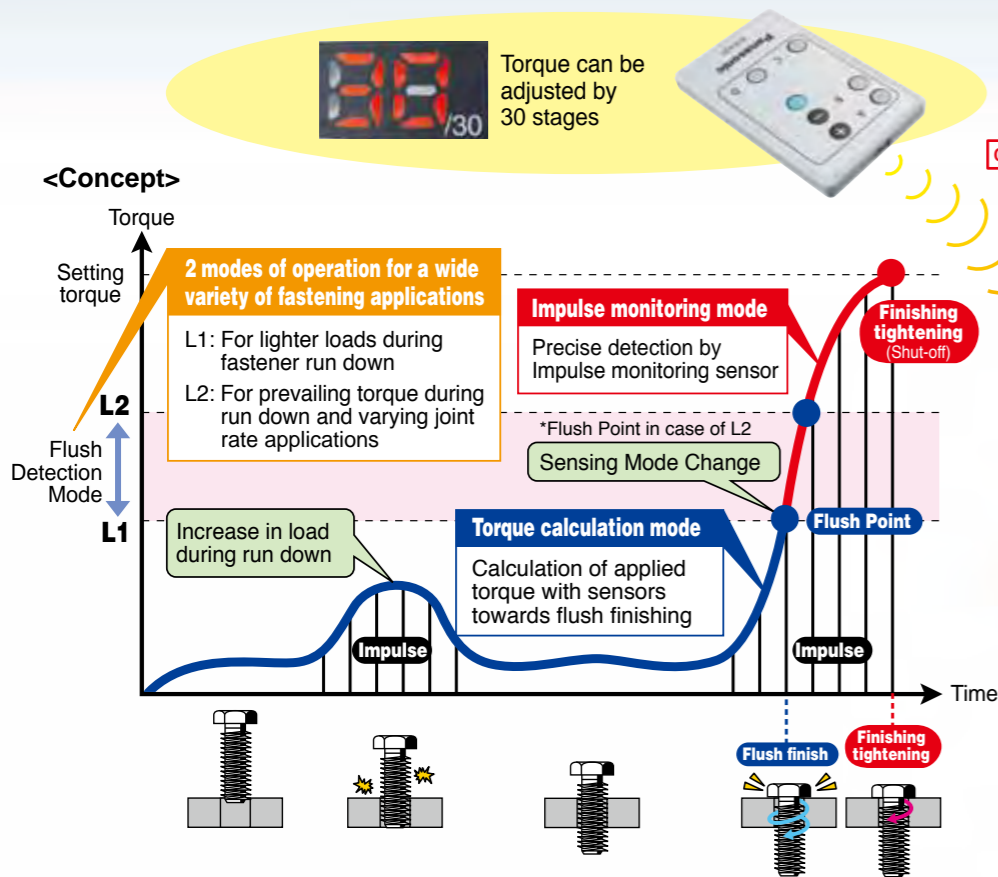
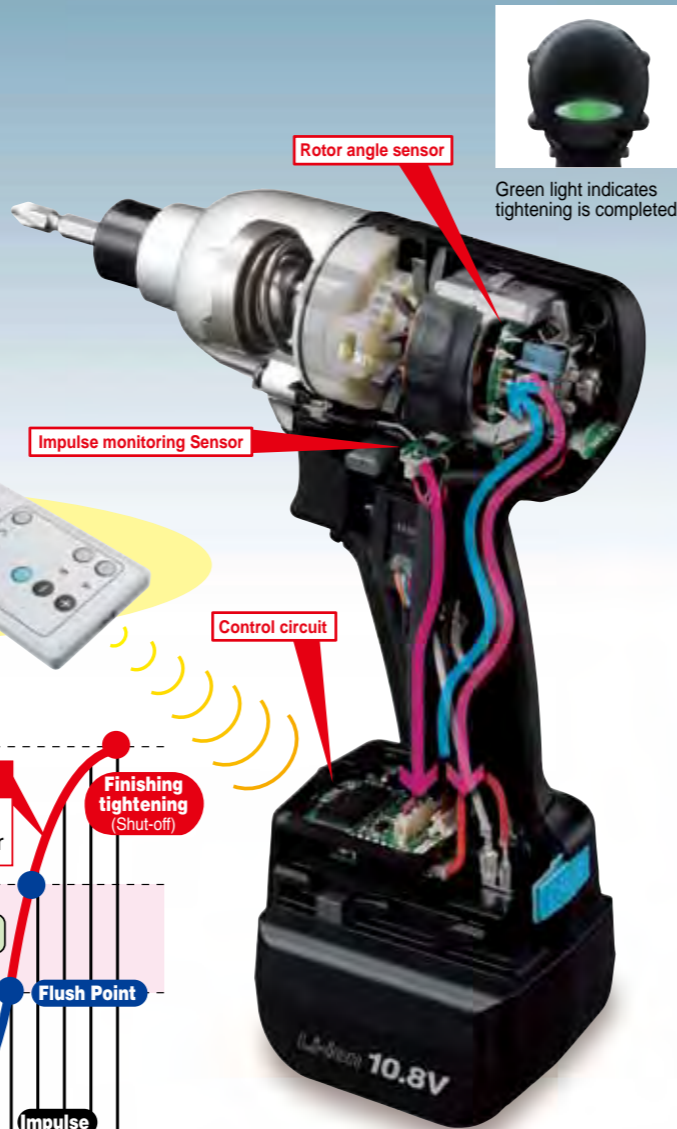
# Panasonic Unique Impact Torque Control Technology

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

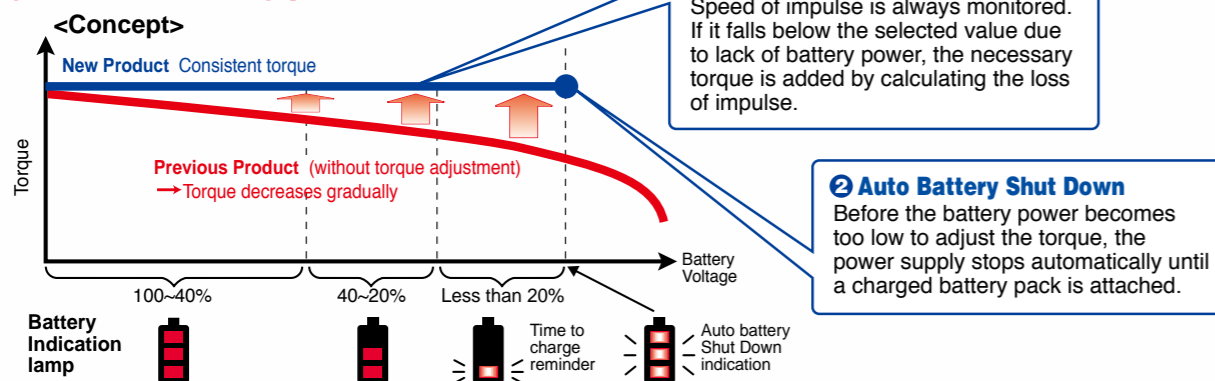
## Torque Control Mechanism

- Two kinds of sensors (rotor angle sensor and impulse monitoring sensor) detect the change of motor speed and rpm between impulse. The control circuit with a Panasonic original algorithm calculates applied torque to deliver a flush finish.
- When applied torque reaches the pre-set torque selection, the control method shifts to the Impulse 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.



Selected torque is maintained regardless of battery power condition



# 10.8V & 14.4V Cordless Shut-Off Impact Driver/Wrench

10.8V EYFLA4  
EYFLA5  
EYFLA6

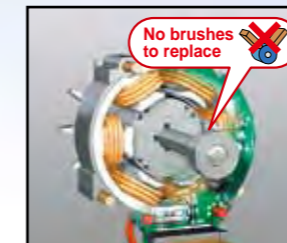
Shut-Off Range  
3~53 N·m

\*Across 3 models in range

Light Weight  
approx. 1.3 kg  
(EYFLA4/EYFLA5 with EYFB30)

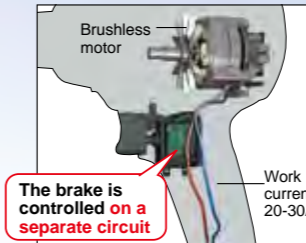
Long life parts provide lower running costs

Improved durability of motor and switch



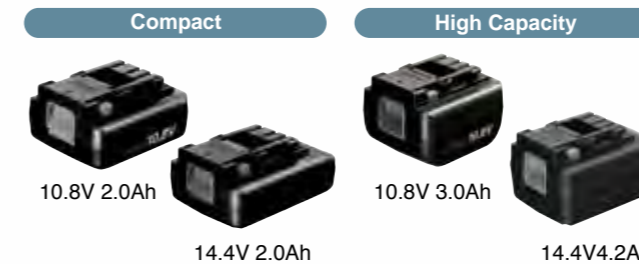
Brushless Motor

Lifetime total performance improves drastically with Brushless-motor and Hybrid switch



New Hybrid Switch

Have choice of Compact 2.0Ah or High Capacity 3.0/4.2Ah



Additional charging is acceptable

Since there is no memory effect, the battery never deteriorates if you charge it additionally during a break.

Needle Bearings

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



14.4V EYFMA1

Shut-Off Range  
25~100 N·m

Light Weight  
approx. 1.5 kg  
(EYFB42)

High capacity  
4.2Ah

Retightening Prevention Function

Maintaining good quality

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.

In case the time to prevent retightening prevention is set to one sec.



More Features

Light Weight



Rubber grip

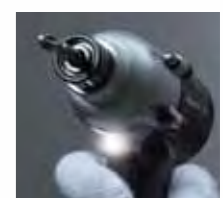
A well balanced lightweight design means workers will experience less muscle fatigue during continuous use.



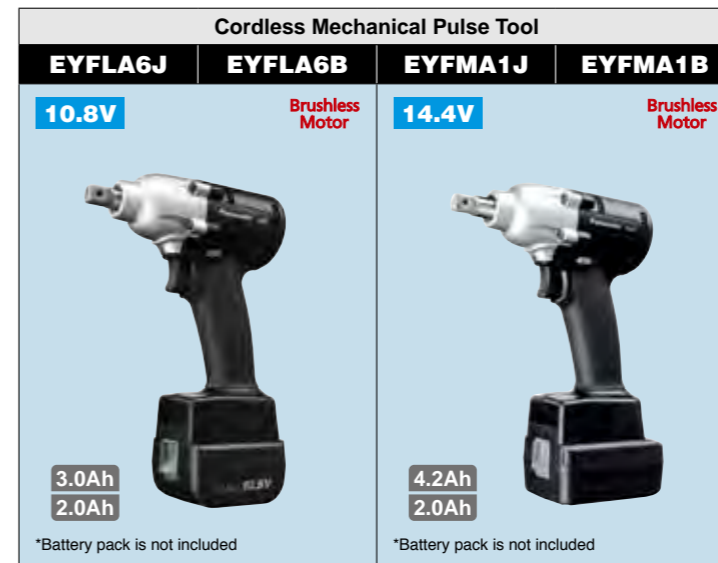
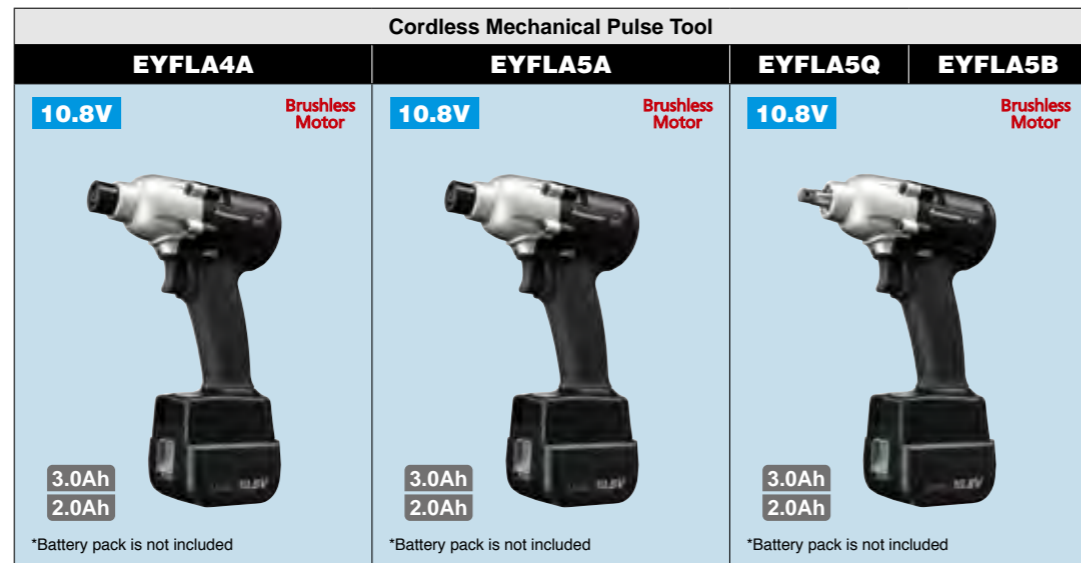
Color Plate for Differentiation  
Each tool model is color coded for easy identification.



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

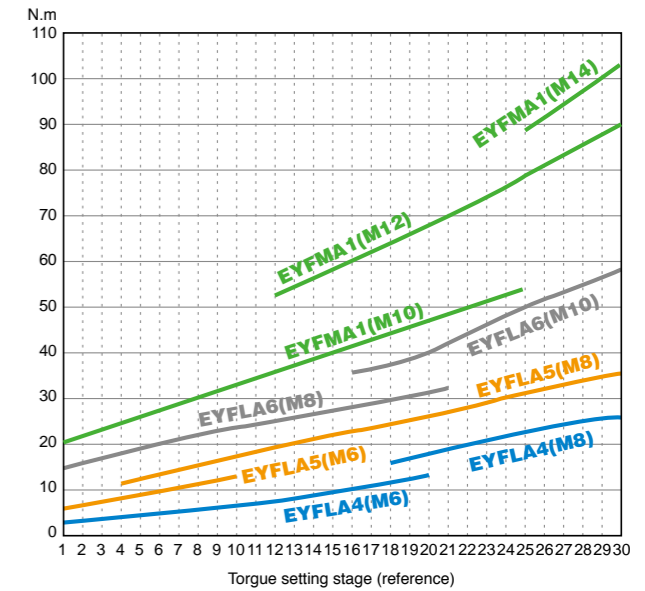


LED Light  
For operations in dimly lit place



		Cordless Mechanical Pulse Tool				Cordless Mechanical Pulse Tool				
		EYFLA4A	EYFLA5A	EYFLA5Q	EYFLA5B	EYFLA6J	EYFLA6B	EYFMA1J	EYFMA1B	
		10.8V Brushless Motor 3.0Ah 2.0Ah *Battery pack is not included	10.8V Brushless Motor 3.0Ah 2.0Ah *Battery pack is not included	10.8V Brushless Motor 3.0Ah 2.0Ah *Battery pack is not included	10.8V Brushless Motor 3.0Ah 2.0Ah *Battery pack is not included	10.8V Brushless Motor 3.0Ah 2.0Ah *Battery pack is not included	10.8V Brushless Motor 3.0Ah 2.0Ah *Battery pack is not included	14.4V Brushless Motor 4.2Ah 2.0Ah *Battery pack is not included	14.4V Brushless Motor 4.2Ah 2.0Ah *Battery pack is not included	
<b>Chuck size</b>		Single-ended 9mm Double-ended 12mm	Single-ended 9mm Double-ended 12mm	<input type="checkbox"/> 9.5mm Square Drive Pin-hole type	<input type="checkbox"/> 9.5mm Square Drive Ball type	<input type="checkbox"/> 12.7mm Square Drive Pin-hole type	<input type="checkbox"/> 12.7mm Square Drive Ball type	<input type="checkbox"/> 12.7mm Square Drive Pin-hole type	<input type="checkbox"/> 12.7mm Square Drive Ball type	
<b>Application</b>		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)	M6 bolt (Tensile bolt) M8 bolt (Normal bolt)	M8 bolt (Tensile bolt) M10 bolt (Normal bolt)	M8 bolt (Tensile bolt) M10 bolt (Normal bolt)	M10 bolt (Tensile bolt) M12 bolt (Normal-Tensile bolt) M14 bolt (Normal bolt)	M10 bolt (Tensile bolt) M12 bolt (Normal-Tensile bolt) M14 bolt (Normal bolt)	
<b>Maximum torque (F mode, fastening 3 sec.)</b>		approx. 40 N·m (M10 bolt)	approx. 90 N·m (M14 bolt)	approx. 90 N·m (M14 bolt)	approx. 90 N·m (M14 bolt)	approx. 120 N·m (M14 bolt)	approx. 120 N·m (M14 bolt)	approx. 185 N·m (M16 bolt)	approx. 185 N·m (M16 bolt)	
<b>Shut-off range</b>		approx. 3—22 N·m	approx. 6—30 N·m	approx. 6—30 N·m	approx. 6—30 N·m	approx. 16—53 N·m	approx. 16—53 N·m	approx. 25—100 N·m	approx. 25—100 N·m	
<b>Torque setting</b>		30 stage + F (without torque setting mode)				30 stage + F (without torque setting mode)				
<b>Flush detection mode setting</b>		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				
<b>No load speed (unit : rpm)</b>		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	stage1: 0 ~ 1300 stage2: 0 ~ 1450 stage3: 0 ~ 1550 stage4 ~ 30·F: 0 ~ 2300	0 ~ 2300	0 ~ 2300	0 ~ 2300	0 ~ 2300	
<b>Impact per minute</b>		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	stage1: 0 ~ 2500 stage2: 0 ~ 2800 stage3: 0 ~ 3000 stage4 ~ 30·F: 0 ~ 3600	0 ~ 3000	0 ~ 3000	0 ~ 3200	0 ~ 3200	
<b>Weight*1 (inc. battery)</b>	EYFB30B	approx. 1.3kg				approx. 1.4kg				—
	EYFB32B	approx. 1.15kg				approx. 1.25kg				—
	EYFB42B	—				—				approx. 1.5kg
	EYFB41B	—				—				approx. 1.3kg
<b>Size</b>	<b>Length</b>	158mm			164mm		172mm			
	<b>Height</b>	248mm (EYFB30B), 231mm (EYFB32B)				248mm (EYFB30B), 231mm (EYFB32B)		248mm (EYFB42B), 231mm (EYFB41B)		
	<b>Width</b>	approx. 59mm (Width of battery pack: approx. 75mm)				approx. 59mm (Width of battery pack: approx. 75mm)				
<b>Function</b>	<b>LED light</b>	● (ON/OFF switch, Light off after five minutes automatically)				● (ON/OFF switch, Light off after five minutes automatically)				
	<b>Tightening confirmation lamp</b>	● (OK fastening: Green lamp, NOK fastening: Red lamp)				● (OK fastening: Green lamp, NOK fastening: Red lamp)				
	<b>Retightening prevention function</b>	● (Possible to set between 0 ~ 3sec.. 0.1 sec. per stage)				● (Possible to set between 0 ~ 3sec.. 0.1 sec. per stage)				
	<b>Battery indication lamp</b>	● (3 stage)				● (3 stage)				
	<b>Auto battery shut down</b>	●				●				
<b>Work capacity / Fastening speed</b>	<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	<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	<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> (EYFB42B) approx. 780 pcs/pack approx. 0.9 sec/1pcs (EYFB41B) approx. 350 pcs/pack approx. 0.9 sec/1pcs	<M12: 71 N·m, Stage: 22> (EYFB42B) approx. 780 pcs/pack approx. 0.9 sec/1pcs (EYFB41B) approx. 350 pcs/pack approx. 0.9 sec/1pcs	<M12: 71 N·m, Stage: 22> (EYFB42B) approx. 780 pcs/pack approx. 0.9 sec/1pcs (EYFB41B) approx. 350 pcs/pack approx. 0.9 sec/1pcs	<M12: 71 N·m, Stage: 22> (EYFB42B) approx. 780 pcs/pack approx. 0.9 sec/1pcs (EYFB41B) approx. 350 pcs/pack approx. 0.9 sec/1pcs
<b>Charging time</b>	(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 EYFB42B, Charger EY0L82B) Usable Charge: approx. 50 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>

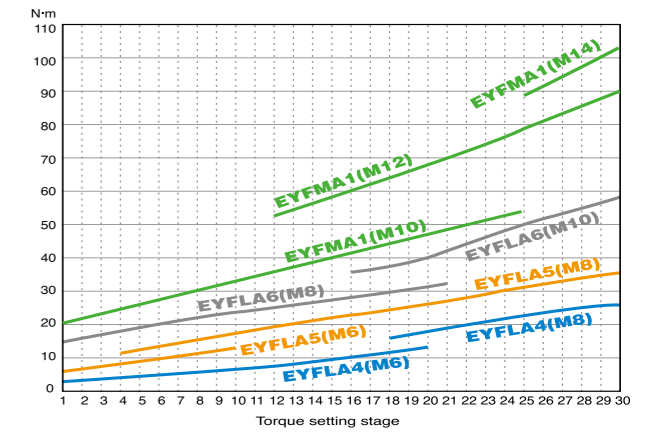
<p>10.8V Li-Ion Battery Pack EYFB30B, EYFB32B</p> <p>EYFB30B (High Capacity 3.0Ah) EYFB32B (Light Weight 2.0Ah)</p>	<p>14.4V Li-Ion Battery Pack EYFB42B, EYFB41B</p> <p>EYFB42B (High Capacity 4.2Ah) EYFB41B (Light Weight 2.0Ah)</p>
<p>Charger EY0L82B</p>	<p>Remote Control EYFA31B</p>
<p>Protector for Battery EYFA02-H (gray), EYFA03-H (gray) EYFA04-H (gray), EYFA06-H (gray)</p>	
<p>Protector for Tool EYFA01-A (blue), -Y (yellow)-H (gray), -G (green)</p>	

# 10.8V Impact Driver & Wrench with Torque Control and Wireless Communication

Cordless Impact Driver		Cordless Impact Wrench			
EYFLA4AR	EYFLA5AR	EYFLA5QR	EYFLA6JR	EYFMA1JR	
10.8V Brushless Motor Wireless Communication	10.8V Brushless Motor Wireless Communication	10.8V Brushless Motor Wireless Communication	10.8V Brushless Motor Wireless Communication	14.4V Brushless Motor Wireless Communication	
					
3.0Ah 2.0Ah	3.0Ah 2.0Ah	3.0Ah 2.0Ah	3.0Ah 2.0Ah	4.2Ah 2.0Ah	
*Battery pack is not included		*Battery pack is not included		*Battery pack is not included	

<b>Chuck size</b>	Single-ended 9mm Double-ended 12mm	Single-ended 9mm Double-ended 12mm	<input type="checkbox"/> 9.5mm Square Drive Pin-hole type	<input type="checkbox"/> 12.7mm Square Drive Pin-hole type	<input type="checkbox"/> 12.7mm Square Drive Pin-hole type
<b>Application</b>	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)
<b>Maximum torque (F mode, fastening 3 sec.)</b>	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)
<b>Shut-off range</b>	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
<b>Torque setting</b>	30 stage + F (without torque setting mode)			30 stage + F (without torque setting mode)	
<b>Flush detection mode setting</b>	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	
<b>No load speed (unit : rpm)</b>	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
<b>Impact per minute</b>	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
<b>Weight*1 (inc. battery)</b>	EYFB30B	approx. 1.3kg		approx. 1.4kg	—
	EYFB32B	approx. 1.15kg		approx. 1.25kg	—
	EYFB42B	—		—	approx. 1.5kg
	EYFB41B	—		—	approx. 1.3kg
<b>Size</b>	<b>Length</b>	158mm		172mm	
	<b>Height</b>	248mm (EYFB30B), 231mm (EYFB32B)		248mm (EYFB30B), 231mm (EYFB32B)	248mm (EYFB42B), 231mm (EYFB41B)
	<b>Width</b>	approx. 59mm (Width of battery pack: approx. 75mm)		approx. 59mm (Width of battery pack: approx. 75mm)	
<b>Function</b>	<b>Wireless communication</b>	● with assembly qualifier (OK fastening: Green lamp, NOK fastening: Red lamp)		● with assembly qualifier (OK fastening: Green lamp, NOK fastening: Red lamp)	
	<b>LED light</b>	● (ON/OFF switch, Light off after five minutes automatically)		● (ON/OFF switch, Light off after five minutes automatically)	
	<b>Tightening confirmation lamp</b>	● (OK fastening: Green lamp, NOK fastening: Red lamp)		● (OK fastening: Green lamp, NOK fastening: Red lamp)	
	<b>Retightening prevention function</b>	● (Possible to set between 0 ~ 3sec.. 0.1 sec. per stage)		● (Possible to set between 0 ~ 3sec.. 0.1 sec. per stage)	
	<b>Battery indication lamp</b>	● (3 stage)		● (3 stage)	
	<b>Auto battery shut down</b>	●		●	
<b>Work capacity / Fastening speed</b>	<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> (EYFB42B) approx. 780 pcs/pack approx. 0.9 sec/1pcs (EYFB41B) approx. 350 pcs/pack approx. 0.9 sec/1pcs
<b>Charging time</b>	(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 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 EYFB42B, Charger EY0L82B) Usable Charge: approx. 50 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>

<b>Assembly Qualifier EYFR02B</b>	
	
<b>10.8V Li-Ion Battery Pack EYFB30B, EYFB32B</b>	<b>14.4V Li-Ion Battery Pack EYFB42B, EYFB41B</b>
	
<b>Charger EY0L82B</b>	<b>Remote Control EYFA31B</b>
	
<b>Protector for Battery EYFA02-H (gray), EYFA03-H (gray), EYFA04-H (gray), EYFA06-H (gray)</b>	
	
<b>Protector for Tool EYFA01-A (blue), -Y (yellow)-H (gray), -G (green)</b>	
	

# Compact & Slim 14.4V Cordless Shut-Off Right Angle Impact Wrench

For tight spot fastenings with high-power, high speed and virtually no torque reaction



Shut-Off Range  
10~**53** N·m

Maximum Torque  
**80** N·m  
(After 0.0 sec.)

Torque control for tight spot applications

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

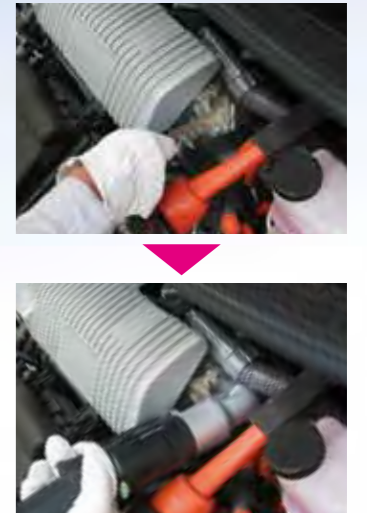
EYFME1's compact and slim body can fit easily in tight areas and provide more reach.

EYFME1 has virtually no torque reaction, so the tool can be used with only one hand even when torque requirement is high.

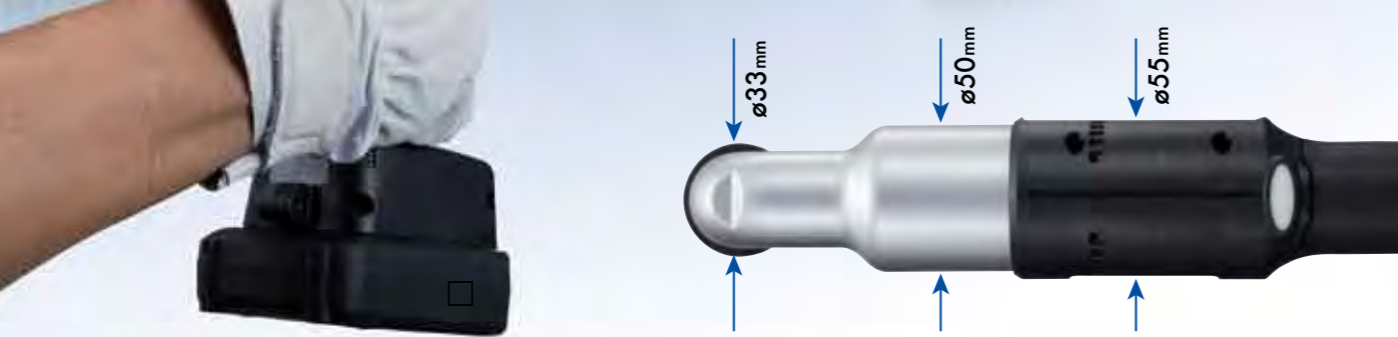


**360° Rotating Head**  
(90° step size)

\*Please make sure the screw to fix angle head isn't loose before use.



EYFME1 can reduce burdensome hand tool applications.



**Full-Scale Drawing**

**Ergonomic design with user-friendly long paddle switch**



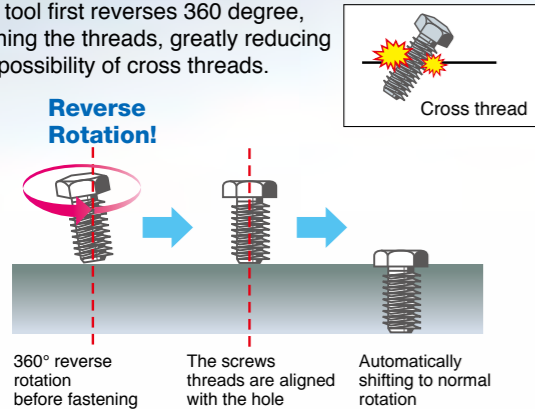




## Advanced Fastening Features

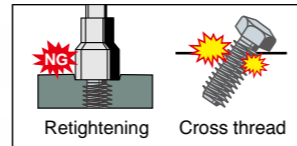
### Cross Thread Reduction

The tool first reverses 360 degree, aligning the threads, greatly reducing the possibility of cross threads.



### 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



### Maintenance Interval Alarm

When the total fastenings are within 10,000 fastenings of the preset maintenance interval, the display blinks notifying the operator. Once the tool reaches the preset interval, the tool is locked out from further use. This function can be set ON or OFF and is defined in 10,000 increment cycles. (Number of setting: 0-990,000pcs)

### Auto Battery Shut Down

Before the battery power becomes too low to maintain the torque, the power supply stops automatically until a charged battery pack is attached.

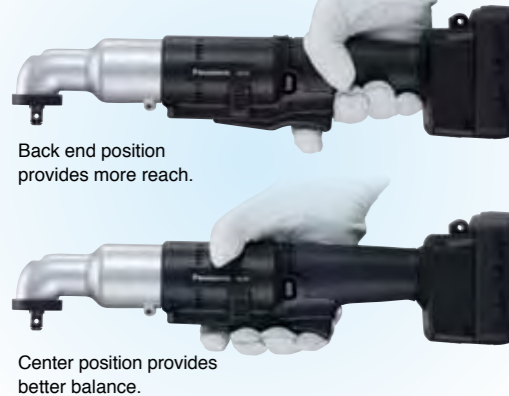
### Variable Speed Control Function

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

## Additional Features

### Paddle Switch

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



### Tool Hanger

The tool can be hung on the balancer

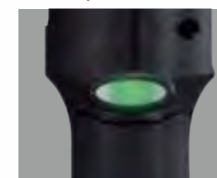


### Remote Control

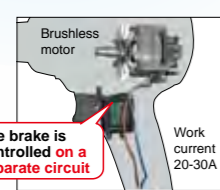
Tool setting can be set only by remote control.



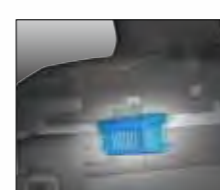
**Tightening Confirmation Lamp**  
OK/NOK both visual and audible indicators. (Buzzer ON/Off can be selected)



Brushless motor



New hybrid switch



Floating Connector



LED Light

**Cordless Right Angle Impact Wrench**

**EYFME1C**

**14.4V** **Brushless Motor**

4.2Ah

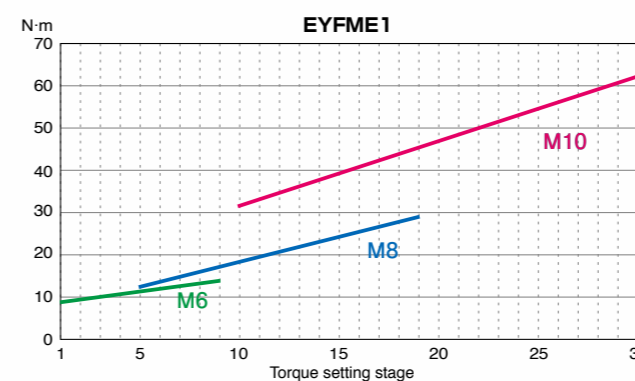


2.0Ah

\*Battery pack is not included

<b>Chuck size</b>	<input type="checkbox"/> 9.5mm Square Drive Retainer ring and Pin-hole type	
<b>Application</b>	M6 bolt (Tensile bolt), M8 bolt (Normal-Tensile bolt), M10 bolt (Normal bolt)	
<b>Maximum torque</b>	approx. 80 N·m (M12, F mode, fastening 3sec.)	
<b>Shut-off range</b>	approx. 10—53 N·m	
<b>Torque setting</b>	30 stage + F (without torque setting mode)	
<b>Flush detection mode setting</b>	L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications	
<b>No load speed (unit : rpm)</b>	0 ~ 2300	
<b>Impact per minute</b>	0 ~ 3500	
<b>Weight*1 (inc. battery)</b>	approx. 1.5kg (EYFB41B), approx. 1.7kg (EYFB42B)	
<b>Size</b>	<b>Length</b>	381mm (EYFB41B), 399mm (EYFB42B)
	<b>Height</b>	approx. 96mm (Height of battery pack: approx. 101mm)
	<b>Width</b>	approx. 60mm (Width of battery pack: approx. 75mm)
<b>Function</b>	<b>Torque adjustment</b>	●
	<b>Cross thread reduction</b>	● (The tool rotates approx. 360 degree in reverse before fastening starts. Possible to choose ON/OFF)
	<b>Rundown error detecting</b>	● (Alert with Red light. Possible to set between 0 ~ 3 sec., 0.1 sec. per stage)
	<b>Maintenance interval alarm function</b>	● (Possible to set between 0 - 990,000 times. 10,000 times per stage)
	<b>Retightening prevention function</b>	● (Possible to set between 0 ~ 0.9sec., 0.1 sec. per stage)
	<b>LED light</b>	● (Possible to choose from the 2 LED light modes. by ON/OFF switch or trigger switch interlocked)
	<b>Buzzer</b>	● (Possible to choose from the 3 buzzer modes, No buzzer, buzzer with OK or buzzer with NOK)
	<b>Tightening confirmation lamp</b>	● (OK fastening: Green lamp. NOK fastening: Red lamp)
	<b>Battery indication lamp</b>	● (3 stage)
	<b>Auto battery shut down</b>	●
<b>Work capacity / Fastening speed</b>	<M10: 53 N·m, Stage: 25> (EYFB41B) approx. 120 pcs/pack, approx. 2.2 sec/1pcs (EYFB42B) approx. 250 pcs/pack, approx. 2.2 sec/1pcs	
<b>Charging time</b>	(Battery Pack EYFB41, Charger EY0L82B) Usable Charge: approx. 35min., Full Charge: approx. 40min (Battery Pack EYFB42, Charger EY0L82B) Usable Charge: approx. 50min., Full Charge: approx. 60min	

### Tightening Torque Chart (for Reference Use)

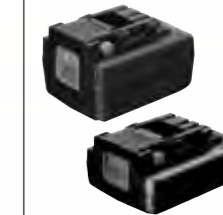


The values illustrated on this chart were measured under Panasonic measuring condition and are provided for reference purposes. Actual tightening torque varies with ambient conditions (the particular bolt being tightened, hardware being used, method of holding the bolt in place, etc.).

### <Optional Accessory>

14.4V Li-Ion Battery Pack  
EYFB42B, EYFB41B

EYFB42B  
(High Capacity 4.2Ah)



EYFB41B  
(Light Weight 2.0Ah)

Charger  
EY0L82B



Remote Control  
EYFA31B



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

EYFA04  
(for EYFB42B)



EYFA06  
(for EYFB41B)

Tool Hanger  
EYFA41B



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



# High Power 18V & 21.6V Cordless Shut -Off Impact Wrench

Fasten large bolts with virtually no torque reaction and no more air hoses

## 21.6V EYFPA1

Shut-Off Range  
160~**650** N·m

Maximum Torque  
**700** N·m  
(After 3 sec.)

Light Weight  
approx. **3.6** kg

High Capacity  
**4.2Ah**

## 18V EYFNA1

Shut-Off Range  
70~**200** N·m

Maximum Torque  
**470** N·m  
(After 3 sec.)

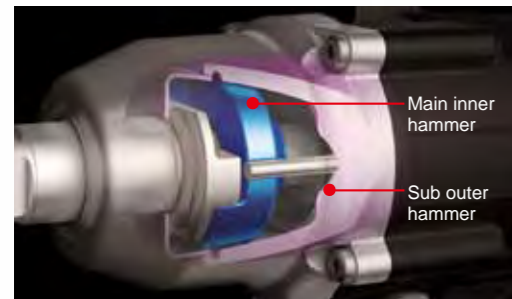
Light Weight  
approx. **3.0**kg

High Capacity  
**5.0Ah**

**Advanced technologies to realize compact size, lightweight and outstanding high power**

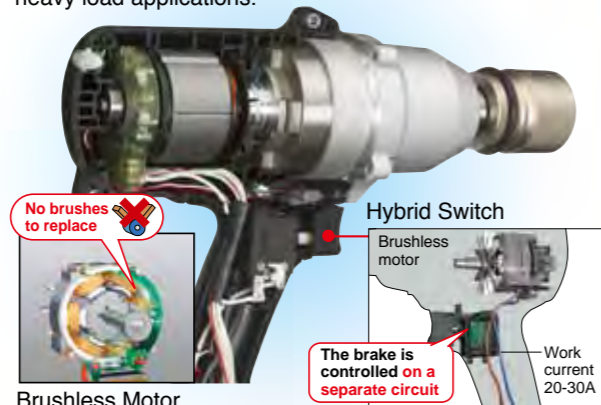
### High-Efficient Double Hammer Block Mechanism

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.



### Compact and High-Power Brushless Motor

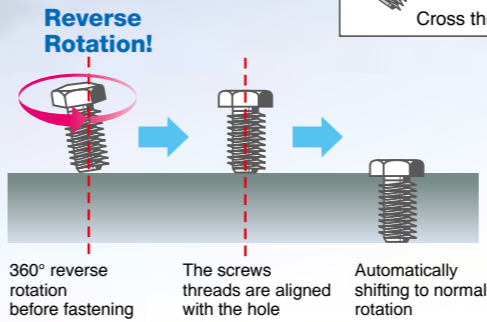
Compact and high-power brushless motor accomplishes heavy load applications.



## Advanced Fastening Features

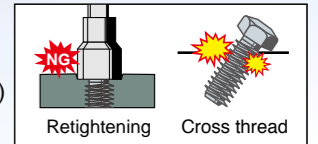
### Cross Thread Reduction

The tool first reverses 360 degree, aligning the threads, greatly reducing the possibility of cross threads.

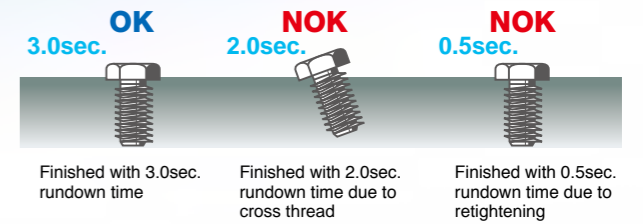


### Rundown Error Detecting Function

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



### Maintenance Interval Alarm

When the total fastenings are within 10,000 fastenings of the preset maintenance interval, the display blinks notifying the operator. Once the tool reaches the preset interval, the tool is locked out from further use. This function can be set ON or OFF and is defined in 10,000 increment cycles. (Number of setting: 0-990,000pcs)

### Auto Battery Shut Down

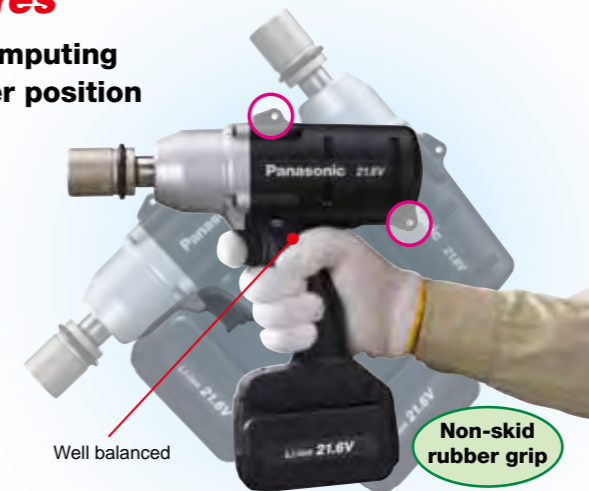
Before the battery power becomes too low to maintain the torque, the power supply stops automatically until a charged battery pack is attached.

### Variable Speed Control Function

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

## Additional Features

### Ergonomic design by computing the best weighted center position



### Tool Hanger

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



### LED Light

Program LED to turn on with the trigger switch or ON/OFF switch to match operators preference



### Tightening Confirmation Lamp

OK/NOK both visual and audible indicators. (Buzzer ON/Off can be selected)

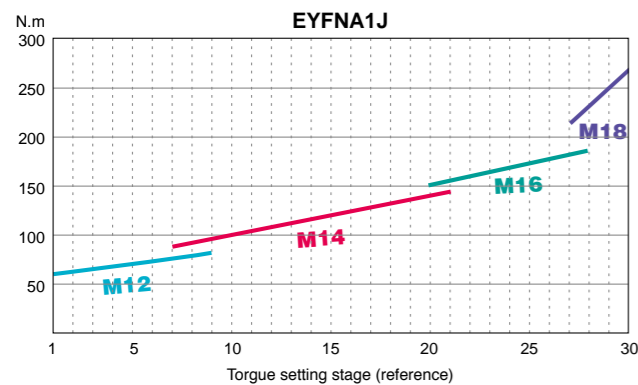




<b>Chuck size</b>	<input type="checkbox"/> 12.7mm Square Drive Pin-hole type	
<b>Application</b>	M12 (High-Tensile bolt), M14 (Normal, High-Tensile bolt) M16 (Normal bolt), M18 (Normal bolt)	
<b>Maximum torque</b>	approx.470 N·m (M24 Tensile bolt, F mode, fastening 3sec.) approx.520 N·m (M24 Tensile bolt, F mode, fastening 5sec.)	
<b>Shut-off range</b>	approx. 70—200 N·m	
<b>Torque setting</b>	30 stage + F (without torque setting mode)	
<b>Flush detection mode setting</b>	L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications	
<b>No load speed (unit : rpm)</b>	0 ~ 1900	
<b>Impact per minute</b>	0 ~ 2200	
<b>Weight*1 (inc. battery)</b>	approx. 3.0kg	
<b>Size</b>	<b>Length</b>	233mm
	<b>Height</b>	approx. 286mm
	<b>Width</b>	approx. 77mm (Width of battery pack: approx. 76mm)
<b>Function</b>	<b>Torque adjustment</b>	●
	<b>Cross thread reduction</b>	● (The tool rotates approx. 360 degree in reverse before fastening starts. Possible to choose ON/OFF)
	<b>Rundown error detecting</b>	● (Alert with Red light. Possible to set between 0 ~ 3 sec., 0.1 sec. per stage)
	<b>Maintenance interval alarm function</b>	● (Possible to set between 0 - 990,000 times, 10,000 times per stage)
	<b>LED light</b>	● (Possible to choose from the 2 LED light modes, by ON/OFF switch or trigger switch interlocked)
	<b>Buzzer</b>	● (Possible to choose from the 3 buzzer modes, No buzzer, buzzer with OK or buzzer with NOK)
	<b>Tightening confirmation lamp</b>	● (OK fastening: Green lamp. NOK fastening: Red lamp)
	<b>Battery indication lamp</b>	● (3 stage)
	<b>Auto battery shut down</b>	●
	<b>Work capacity / Fastening speed</b>	<M12: 100 N·m, Stage: 13> approx.500pcs/pack
<b>Charging time</b>	(Battery pack EYFB50B, Charger EY0L82B) Usable Charge: approx. 65 min. Full Charge: approx. 80 min	

\*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



(High Capacity 5.0Ah)

Charger EY0L82B



Remote Control EYFA31B



Protector for Battery EYFA10-H (gray)



Tool Hanger EYFA41B



Protector for Tool EYFA09

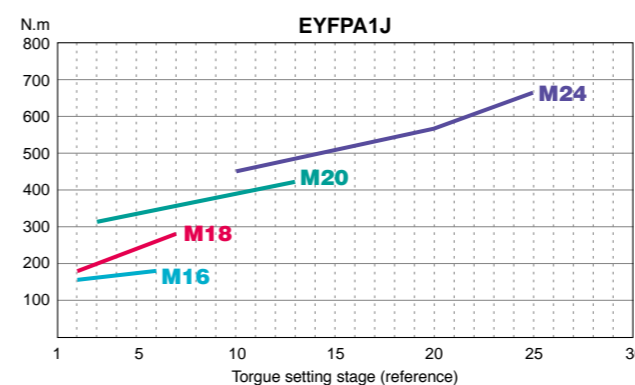
-A (blue), -Y (yellow)  
-H (gray), -G (green)



<b>Chuck size</b>	<input type="checkbox"/> 19mm Square Drive Pin-hole type	
<b>Application</b>	M16 (High-Tensile bolt), M18 (Normal, High-Tensile bolt) M20 (Normal bolt), M24 (Normal bolt)	
<b>Maximum torque</b>	approx.700 N·m (M24 Tensile bolt, F mode, fastening 3sec.) approx.750 N·m (M24 Tensile bolt, F mode, fastening 5sec.)	
<b>Shut-off range</b>	approx. 160—650 N·m	
<b>Torque setting</b>	30 stage + F (without torque setting mode)	
<b>Flush detection mode setting</b>	L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications	
<b>No load speed (unit : rpm)</b>	0 ~ 1900	
<b>Impact per minute</b>	0 ~ 2200	
<b>Weight*1 (inc. battery)</b>	approx. 3.6kg	
<b>Size</b>	<b>Length</b>	250mm
	<b>Height</b>	approx. 295mm
	<b>Width</b>	approx. 77mm (Width of battery pack: approx. 77mm)
<b>Function</b>	<b>Torque adjustment</b>	●
	<b>Cross thread reduction</b>	● (The tool rotates approx. 360 degree in reverse before fastening starts. Possible to choose ON/OFF)
	<b>Rundown error detecting</b>	● (Alert with Red light. Possible to set between 0 ~ 3 sec., 0.1 sec. per stage)
	<b>Maintenance interval alarm function</b>	● (Possible to set between 0 - 990,000 times, 10,000 times per stage)
	<b>LED light</b>	● (Possible to choose from the 2 LED light modes, by ON/OFF switch or trigger switch interlocked)
	<b>Buzzer</b>	● (Possible to choose from the 3 buzzer modes, No buzzer, buzzer with OK or buzzer with NOK)
	<b>Tightening confirmation lamp</b>	● (OK fastening: Green lamp. NOK fastening: Red lamp)
	<b>Battery indication lamp</b>	● (3 stage)
	<b>Auto battery shut down</b>	●
	<b>Work capacity / Fastening speed</b>	<M16: 180 N·m, Stage: 6> approx.450pcs/pack
<b>Charging time</b>	(Battery pack EYFB60B, Charger EY0L82B) Usable Charge: approx. 65 min. Full Charge: approx. 85 min	

\*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 EYFB60B



(High Capacity 4.2Ah)

Charger EY0L82B



Remote Control EYFA31B



Protector for Battery EYFA08-H (gray)



Tool Hanger EYFA41B



Protector for Tool EYFA07

-A (blue), -Y (yellow)  
-H (gray), -G (green)



# 14.4V Precision Screwdriver with Advanced Fastening Features

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

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

ESD approved (as per EN 55014-1 and -2)

Beep



Light and buzzer indicates fastenings' OK/NOK (Buzzer ON/OFF can be selected)

## Various Fastening Support Features

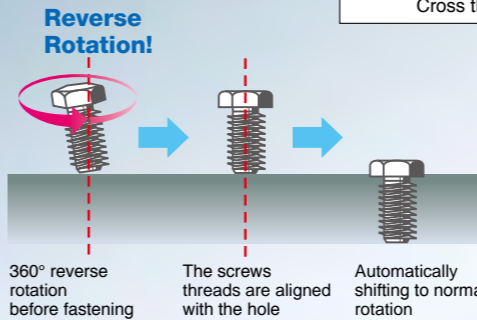
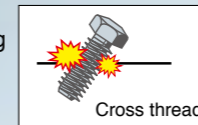


Optional batteries:  
 Compact 2.0Ah or High Capacity 4.2Ah

## Advanced Fastening Features

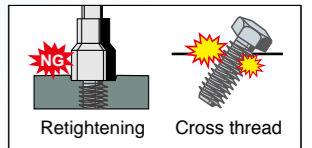
### Cross Thread Reduction

The tool first reverses 360 degree, aligning the threads, greatly reducing the possibility of cross threads.



### Rundown Error Detecting Function

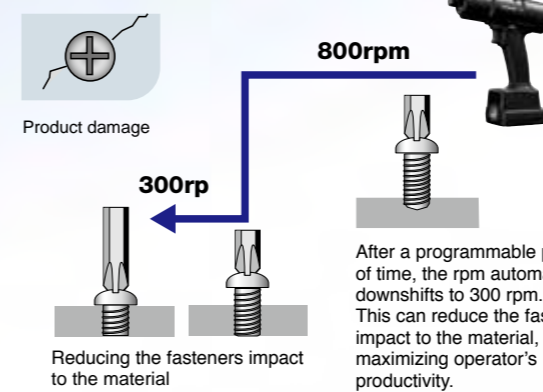
If the clutch is activated before the programmable minimum runtime, the tool alerts the operator to a NOK fastening. (Time setting: 0.1-3.0sec, 0.1sec per stage)



#### • Example with 3.0sec. normal time setting



### Auto Downshift Function



### Maintenance Interval Alarm

When the total fastenings are within 10,000 fastenings of the preset maintenance interval, the display blinks notifying the operator. Once the tool reaches the preset interval, the tool is locked out from further use. This function can be set ON or OFF and is defined in 10,000 increment cycles. (Number of setting: 0-990,000pcs)

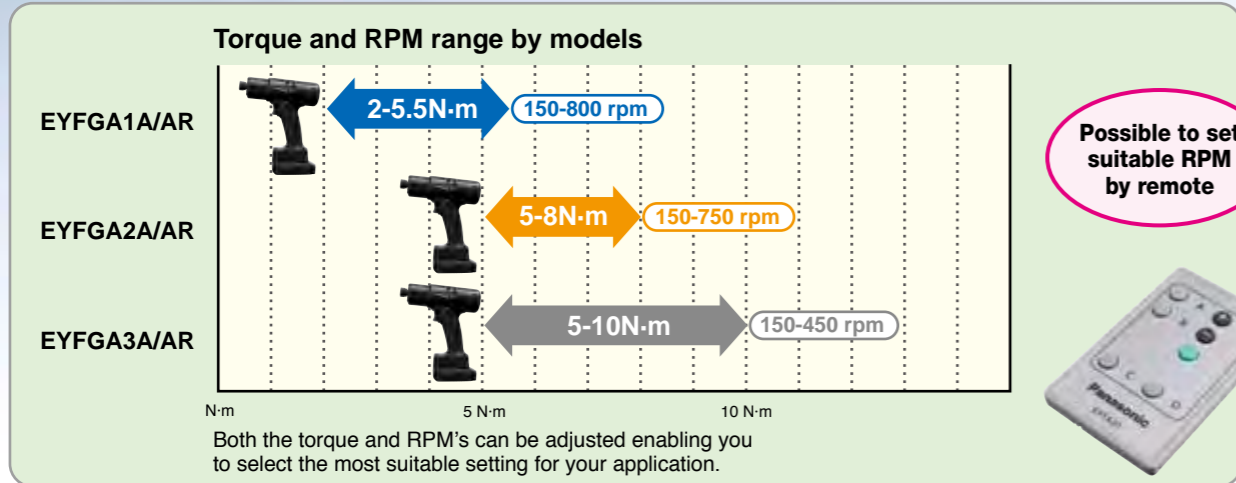
### Auto Battery Shut Down

Before the battery power becomes too low to maintain the torque, the power supply stops automatically until a charged battery pack is attached.

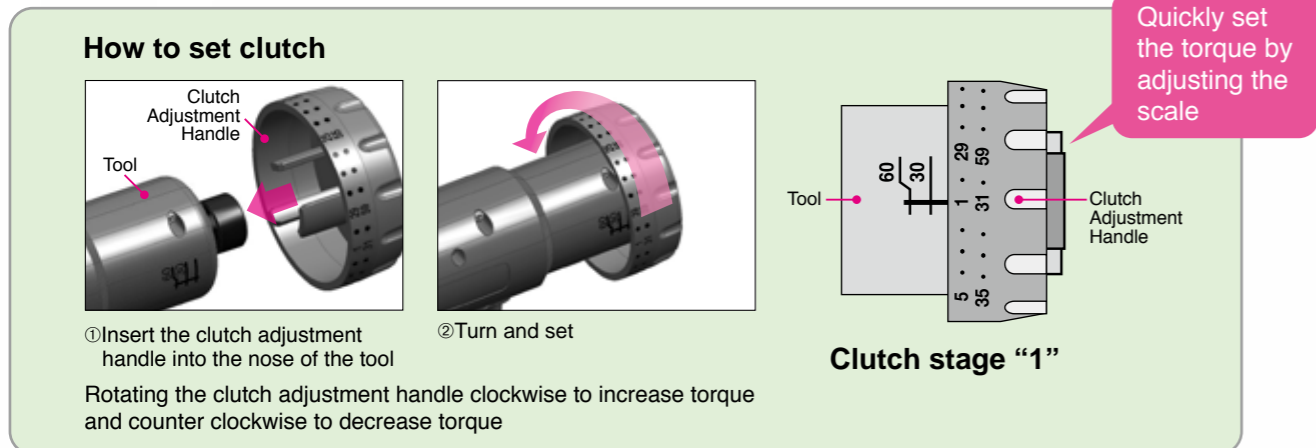
### Variable Speed Control Function

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

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

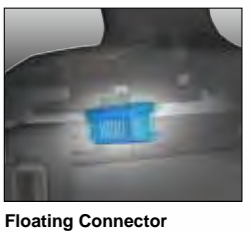
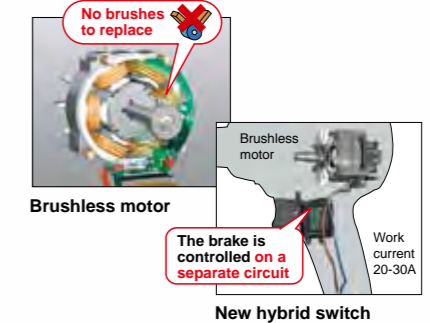
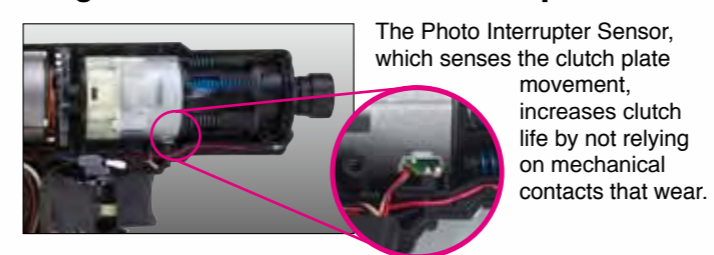


## Accurate and Easy 60 Stage Adjustable Clutch



## Durable Design

### Long Life Clutch with Photo Interrupter Sensor



## More Features

- Rubber grip**
- LED Light**  
For operations in dimly lit place (have choice of ON/OFF switch interlocked or Trigger switch interlocked)
- Compact and Lightweight**  
A well balanced compact and light design
- Remote Control**  
Tool setting can be set only by remote control.
- Compact and Light New 2.0Ah Li-ion Battery Pack! (EYFB41B)**
- Color Plate for Differentiation**  
Each tool model is color coded for easy identification.
- Tool Hanger**

# 14.4V Screw Driver with Torque Control

# 14.4V Screw Driver with Torque Control and Wireless Communication



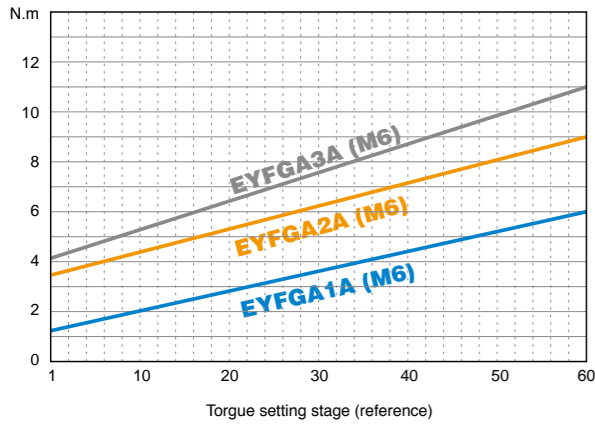
		Cordless Screwdriver			
		EYFGA1N	EYFGA2N	EYFGA3N	
		14.4V Brushless Motor	14.4V Brushless Motor	14.4V Brushless Motor	
		4.2Ah 2.0Ah	4.2Ah 2.0Ah	4.2Ah 2.0Ah	
		*Battery pack is not included	*Battery pack is not included	*Battery pack is not included	
<b>Chuck size</b>		Single-ended 9-13mm Double-ended 12-16mm			
<b>Application</b>		Screw M5•M6 (Normal-Tensile bolt)			
<b>Clutch torque</b>		Approx. 2 - 5.5 N•m	Approx.5 - 8 N•m	Approx.5 - 10 N•m	
<b>Clutch setting stage</b>		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)	
<b>Torque accuracy</b>		±10%•Cmk≥1.67 (*Compliant with ISO5393. Measured with the Max RPM setting)(*In ≥3N•m range)			
<b>No load speed (unit: rpm)</b>		0 ~ 800	0 ~ 750	0 ~ 450	
<b>Weight*1 (inc. battery)</b>	EYFB41B	approx. 1.25kg		approx. 1.3kg	
	EYFB42B	approx. 1.5kg		approx. 1.55kg	
<b>Size (LxHxW)</b>	EYFB41B	199mm x 232mm x 54mm (Width of battery pack: 75mm)			
	EYFB42B	199mm x 249mm x 54mm (Width of battery pack: 75mm)			
<b>Function</b>	<b>Rotation speed adjustment (Max.RPM)</b>	● (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			
	<b>Auto downshift function</b>	● (Possible to choose the timing of auto downshift between 0 ~ 3 sec. 0.1 sec. per stage)			
	<b>Cross thread reduction</b>	● (The tool rotates approx. 360 degree in reverse before fastening starts. Possible to choose ON/OFF)			
	<b>Rundown error detecting function</b>	● (Alert with Red light. Possible to set between 0 ~ 3 sec.. 0.1 sec. per stage)			
	<b>Maintenance interval alarm function</b>	● (Possible to set between 0 - 990,000 times. 10,000 times per stage)			
	<b>Wireless communication</b>	-			
	<b>LED light</b>	● (Possible to choose from the 2 LED light modes. by ON/OFF switch or trigger switch interlocked)			
	<b>Buzzer</b>	● (Possible to choose from the 3 buzzer modes, No buzzer, buzzer with OK or buzzer with NOK)			
	<b>Tightening confirmation lamp</b>	● (OK fastening: Green lamp. NOK fastening: Red lamp)			
	<b>Retightening prevention function</b>	● (Fixed to 0.7 sec.)			
	<b>Battery indication lamp</b>	● (3 stage)			
	<b>Auto battery shut down</b>	●			
	<b>Work capacity / Fastening speed</b>	EYFB41B	<b>Hard Joint 30°</b>	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)
<b>Soft Joint 720°</b>			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)
EYFB42B		<b>Hard Joint 30°</b>	approx. 2700 pcs/pack approx. 1.1 sec./1pcs (M6: 5.5 N•m)	approx. 2350 pcs/pack approx. 1.0 sec./1pcs (M6: 8 N•m)	approx. 2500 pcs/pack approx. 1.0 sec./1pcs (M6: 10 N•m)
		<b>Soft Joint 720°</b>	approx. 1250 pcs/pack approx. 1.3 sec./1pcs (M6: 5.5 N•m)	approx. 1000 pcs/pack approx. 1.3 sec./1pcs (M6: 8 N•m)	approx. 730 pcs/pack approx. 1.4 sec./1pcs (M6: 10 N•m)
<b>Charging time</b>		(Battery Pack EYFB41, Charger EY0L82B) Usable Charge: approx. 35min. Full Charge: approx. 40min (Battery Pack EYFB42, Charger EY0L82B) Usable Charge: approx. 50min. Full Charge: approx. 60min			

		Cordless Screwdriver			
		EYFGA1NR	EYFGA2NR	EYFGA3NR	
		14.4V Brushless Motor Wireless Communication	14.4V Brushless Motor Wireless Communication	14.4V Brushless Motor Wireless Communication	
		4.2Ah 2.0Ah	4.2Ah 2.0Ah	4.2Ah 2.0Ah	
		*Battery pack is not included	*Battery pack is not included	*Battery pack is not included	
<b>Chuck size</b>		Single-ended 9-13mm Double-ended 12-16mm			
<b>Application</b>		Screw M5•M6 (Normal-Tensile bolt)			
<b>Clutch torque</b>		Approx. 2 - 5.5 N•m	Approx.5 - 8 N•m	Approx.5 - 10 N•m	
<b>Clutch setting stage</b>		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)	
<b>Torque accuracy</b>		±10%•Cmk≥1.67 (*Compliant with ISO5393. Measured with the Max RPM setting)(*In ≥3N•m range)			
<b>No load speed (unit: rpm)</b>		0 ~ 800	0 ~ 750	0 ~ 450	
<b>Weight*1 (inc. battery)</b>	EYFB41B	approx. 1.25kg		approx. 1.3kg	
	EYFB42B	approx. 1.5kg		approx. 1.55kg	
<b>Size (LxHxW)</b>	EYFB41B	199mm x 232mm x 54mm (Width of battery pack: 75mm)			
	EYFB42B	199mm x 249mm x 54mm (Width of battery pack: 75mm)			
<b>Function</b>	<b>Rotation speed adjustment (Max.RPM)</b>	● (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			
	<b>Auto downshift function</b>	● (Possible to choose the timing of auto downshift between 0 ~ 3 sec. 0.1 sec. per stage)			
	<b>Cross thread reduction</b>	● (The tool rotates approx. 360 degree in reverse before fastening starts. Possible to choose ON/OFF)			
	<b>Rundown error detecting function</b>	● (Alert with Red light. Possible to set between 0 ~ 3 sec.. 0.1 sec. per stage)			
	<b>Maintenance interval alarm function</b>	● (Possible to set between 0 - 990,000 times. 10,000 times per stage)			
	<b>Wireless communication</b>	● With assembly qualifier(OK Fasten=Green Light, NOK Fasten=Red Light)			
	<b>LED light</b>	● (Possible to choose from the 2 LED light modes. by ON/OFF switch or trigger switch interlocked)			
	<b>Buzzer</b>	● (Possible to choose from the 3 buzzer modes, No buzzer, buzzer with OK or buzzer with NOK)			
	<b>Tightening confirmation lamp</b>	● (OK fastening: Green lamp. NOK fastening: Red lamp)			
	<b>Retightening prevention function</b>	● (Fixed to 0.7 sec.)			
	<b>Battery indication lamp</b>	● (3 stage)			
	<b>Auto battery shut down</b>	●			
	<b>Work capacity / Fastening speed</b>	EYFB41B	<b>Hard Joint 30°</b>	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)
<b>Soft Joint 720°</b>			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)
EYFB42B		<b>Hard Joint 30°</b>	approx. 2700 pcs/pack approx. 1.1 sec./1pcs (M6: 5.5 N•m)	approx. 2350 pcs/pack approx. 1.0 sec./1pcs (M6: 8 N•m)	approx. 2500 pcs/pack approx. 1.0 sec./1pcs (M6: 10 N•m)
		<b>Soft Joint 720°</b>	approx. 1250 pcs/pack approx. 1.3 sec./1pcs (M6: 5.5 N•m)	approx. 1000 pcs/pack approx. 1.3 sec./1pcs (M6: 8 N•m)	approx. 730 pcs/pack approx. 1.4 sec./1pcs (M6: 10 N•m)
<b>Charging time</b>		(Battery Pack EYFB41, Charger EY0L82B) Usable Charge: approx. 35min. Full Charge: approx. 40min (Battery Pack EYFB42, Charger EY0L82B) Usable Charge: approx. 50min. Full Charge: approx. 60min			

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

\*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>

<b>Assembly Qualifier</b> <b>EYFR02B</b> 	
<b>14.4V Li-Ion Battery Pack</b> <b>EYFB42B, EYFB41B</b> 	<b>Charger</b> <b>EYOL82B</b> 
<b>EYFB42B</b> (High Capacity 4.2Ah)	
<b>EYFB41B</b> (Light Weight 2.0Ah)	
<b>Remote Control</b> <b>EYFA31B</b> 	<b>Protector for Battery</b> <b>EYFA04-H (gray)</b> <b>EYFA06-H (gray)</b> 
	<b>EYFA04</b> (for EYFB42B)
	<b>EYFA06</b> (for EYFB41B)
<b>Protector for Tool</b> <b>EYFA05-A (blue), -Y (yellow)-H (gray)</b> 	
<b>Clutch Adjustment Handle</b> <b>EYFA32</b> 	<b>Tool Hanger</b> <b>EYFA40</b> 



<b>Chuck size</b>	<input type="checkbox"/> 1/4" Hex Quick Change
<b>Max.torque</b>	High: 2.0 N·m Low: 6.0 N·m
<b>Speed at no load</b>	High: 0~900 rpm Low: 0~300 rpm
<b>Clutch torque (approx.)</b>	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)
<b>Charging time</b>	Usable: 35 minutes, Full: 60 minutes (Battery pack EY9L20, charger EYOL20)
<b>Weight (incl.battery)</b>	630g
<b>Size (LxHxW)</b>	145mm x 198mm x 42mm
<b>Max. screws driving</b>	High mode: M4 screw Low mode: M5 screw
<b>Working capacity</b>	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
<b>Standard accessory</b>	<b>EYFEA1N2S</b> 2 X 1.5Ah Li-ion battery pack (EY9L20) Charger (EYOL20) Clutch & H/L switch lock cover <b>EYFEA1N</b> Clutch & H/L switch lock cover
<b>Function</b>	<ul style="list-style-type: none"> <li>• Auto Shut-Off Function</li> <li>• Auto-Power Stop Function</li> <li>• LED Light</li> <li>• Clutch &amp; H/L switch lock cover</li> <li>• Electronic brake</li> <li>• ESD approved (as per EN 55014-1 and -2)</li> </ul>

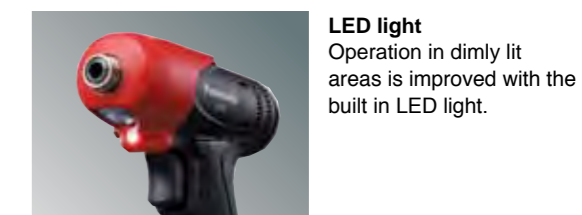
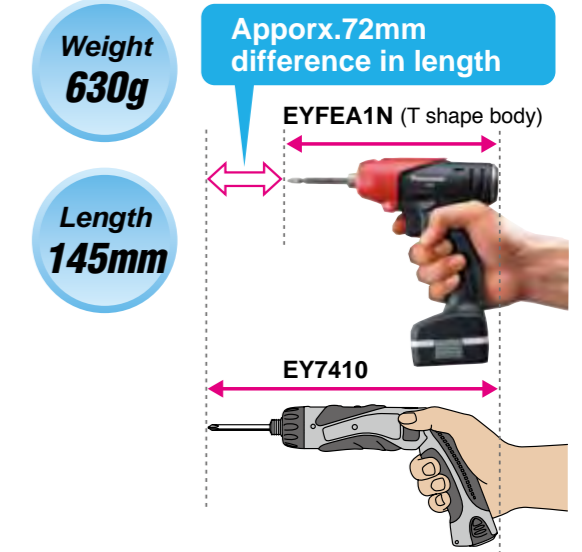
<Accessory>

<b>1.5Ah Li-ion Battery Pack</b> <b>EY9L20B</b> 	<b>Charger</b> <b>EYOL20B</b> 
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## 7.2V screw driver achieves high speed screw driving with high accuracy

### Compact and Light Weight

User-friendly size and weight of EYFEA1N can reduce operator fatigue. Well balanced T shape body and slim grip also improve operator acceptance.





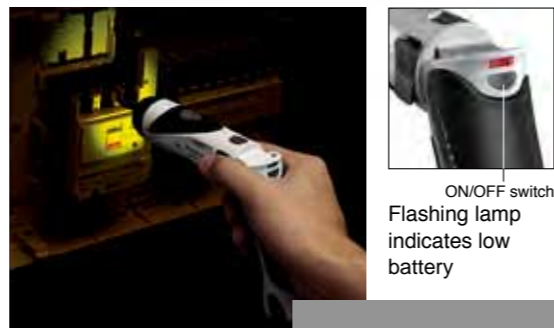
<b>Features</b>	<ul style="list-style-type: none"> <li>• 1/4" Hex quick change chuck</li> <li>• Cap for clutch lock out</li> <li>• LED work light</li> <li>• 30 min. charging system (Full charge)</li> <li>• ESD approved (as per EN 55014-1 and -2)</li> </ul>				
<b>Max.torque</b>	Low: 4.4 N·m High: 1.5 N·m				
<b>Speed at no load</b>	Low: 200 rpm High: 600 rpm				
<b>Clutch torque (approx.)</b>	0.3-2.9 N·m (0.1 N·m per stage, total 21 stage)				
<b>Charging time</b>	Usable: 15 minutes, Full: 30 minutes (using EY0L11B charger)				
<b>Weight (incl.battery)</b>	0.5 kg				
<b>Size (LxHxW)</b>	276 mm x 134 mm x 46 mm				
<b>Working capacity</b>	<table border="1"> <tr> <td>Fastening</td> <td>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</td> </tr> <tr> <td>Drilling</td> <td>Holes in SPC t=1 mm, ø2 85 pcs</td> </tr> </table>	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
	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				
<b>Standard accessory</b>	2 X 1.5Ah Li-ion battery pack (EY9L10B) Charger (EY0L11B) Clutch lock cover				

<Accessory>

1.5Ah Li-ion Battery Pack EY9L10B	Charger EY0L11B

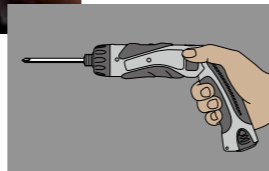
## Lightweight and accurate\* ±10% Li-ion Auto Shut-Off Screwdriver

\*Based on internal measurement



ON/OFF switch  
Flashing lamp indicates low battery

**Convenient LED light**  
Even in the dark, areas for fastening screws can be clearly seen. Auto-light off function. (after 5 min.)

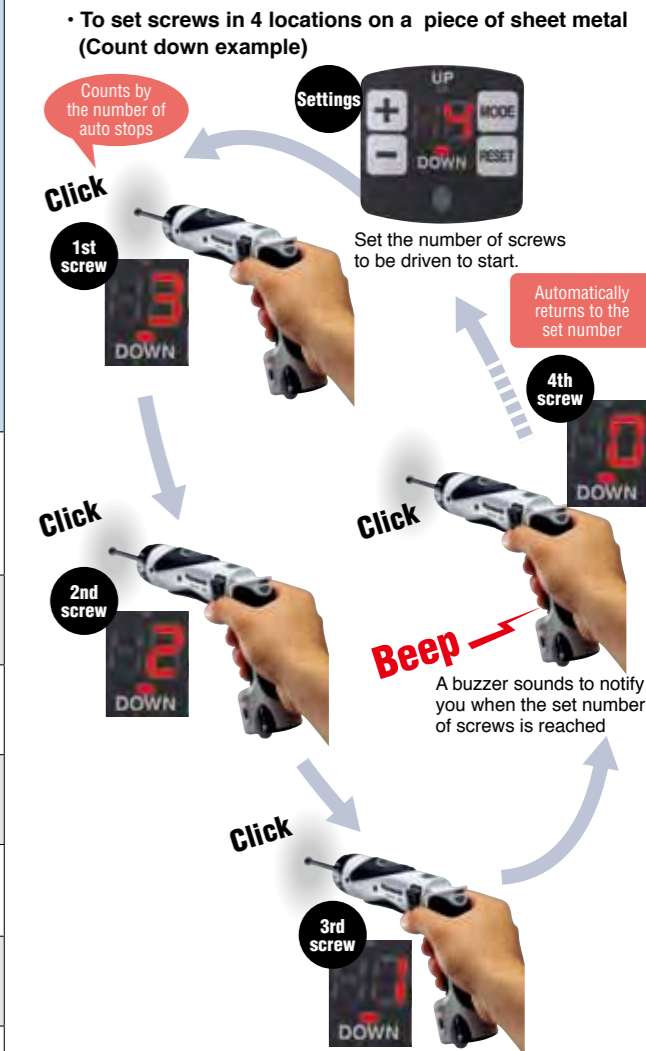


<b>Features</b>	<ul style="list-style-type: none"> <li>• 1/4" Hex quick change chuck</li> <li>• Cap for clutch lock out</li> <li>• LED work light</li> <li>• 30 min. charging system (Full charge)</li> <li>• ESD approved (as per EN 55014-1 and -2)</li> </ul>				
<b>Max.torque</b>	Low: 4.4 N·m High: 1.5 N·m				
<b>Speed at no load</b>	Low: 200 rpm High: 600 rpm				
<b>Clutch torque (approx.)</b>	0.3-2.9 N·m (0.1 N·m per stage, total 21 stage)				
<b>Charging time</b>	Usable: 15 minutes, Full: 30 minutes (using EY0L11B charger)				
<b>Weight (incl.battery)</b>	0.5 kg				
<b>Size (LxHxW)</b>	283 mm x 148 mm x 46 mm				
<b>Working capacity</b>	<table border="1"> <tr> <td>Fastening</td> <td>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</td> </tr> <tr> <td>Drilling</td> <td>Holes in SPC t=1 mm, ø2 85 pcs</td> </tr> </table>	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
	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				
<b>Standard accessory</b>	1 X 1.5Ah Li-ion battery pack (EY9L10B) Charger (EY0L11B) Clutch lock cover				

<Accessory>

1.5Ah Li-ion Battery Pack EY9L10B	Charger EY0L11B

## Counts and informs the user about the number of screws that have been driven



**Double tightening counting prevention function**  
Even if the screw is continuously tightened twice and tightening is confirmed after the screw is driven, if the work is completed within the set time, it is not counted. (The time until the next count can be set for 0-3 seconds at intervals of 0.1 seconds.)

**Count record function**  
Even if the batteries are changed during use, it is possible to continue working after a battery change because the last count number is memorized.

**Hold switch**  
If the hold switch is ON, the settings and count number will not change even if the control panel is touched by mistake while driver is being used.



Hold switch

Convenient LED light

## Features Chart

	Model																							
	EYFLA4A	EYFLA5A	EYFLA5Q	EYFLA5B	EYFLA6J	EYFLA6B	EYFMA1J	EYFMA1B	EYFLA4AR	EYFLA5AR	EYFLA5QR	EYFLA6JR	EYFMA1JR	EYFME1C	EYFNA1C	EYFPA1J	EYFGA1A	EYFGA2A	EYFGA3A	EYFGA1AR	EYFGA2AR	EYFGA3AR	EYFEA1N	
Torque adjustment	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●								
Auto battery shut down	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Retightening prevention function	●	●	●	●	●	●	●	●	●	●	●	●	●	●										
Cross thread reduction														●	●	●	●	●	●	●	●	●	●	
Rundown error detecting function														●	●	●	●	●	●	●	●	●	●	
RPM adjustment																	●	●	●	●	●	●	●	
Auto downshift function																	●	●	●	●	●	●	●	
Maintenance interval alarm														●	●	●	●	●	●	●	●	●	●	
Variable speed control function	○	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●	●	●	○	
Wireless Communication									●	●	●	●	●							●	●	●		

\*There are models limited to particular region.

\*Variable speed control function: Models with "○" don't have ON/OFF setting.



## Battery Pack / Battery Charger - Compatibility Chart

