

professional cordless power tools

Factory Use

**New cordless shut off tool brings
innovation to the assembly line**

Li-ion 10.8V



Quality Control Monitoring

Auto Shut-Off operation

No reaction to User

Auto battery Shut Down



Panasonic ideas for life

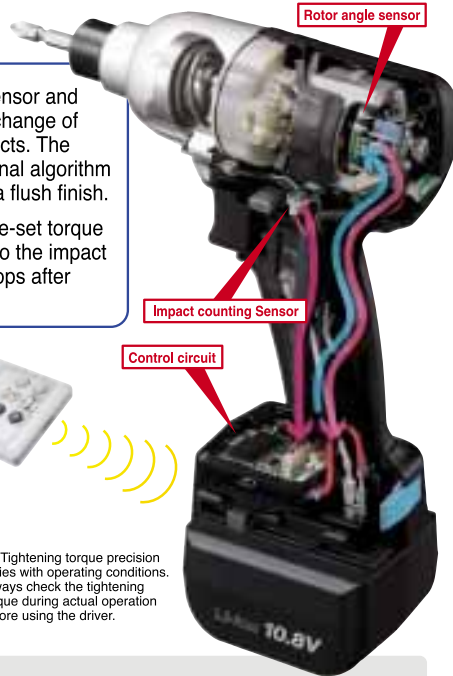
New Cordless Shut Off Tool Delivers

Shut Off Tool delivers torque accuracy

Fastening torque is not affected by load change during fastening

Torque Control Mechanism

- Two kinds of sensors (rotor angle sensor and impact counting 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 flush finish.
- When applied torque reaches the pre-set torque selection, the control method shifts to the impact counting mode and automatically stops after completing tightening.*1



Torque can be adjusted by 30 stages



Indicate the finishing of tightening by green lamp

*1. Tightening torque precision varies with operating conditions. Always check the tightening torque during actual operation before using the driver.

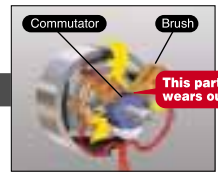
Lower running cost from long life parts

Improved durability of motor and switch

Motor – about **Twice** the life

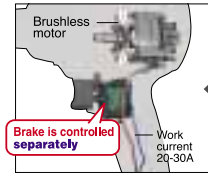


Brushless motor

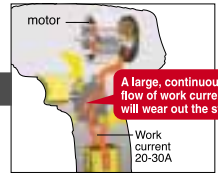


Conventional Brush motor

Switch – about **Twice** the life



New hybrid switch



Previous switch

High Capacity 10.8v 3Ah Li-Ion Battery Pack

Lifetime total performance improves drastically with brushless-motor and high capacity Li-Ion battery!

Additional charging is acceptable

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

More features



Lightweight, 2.8 lbs*2

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

Rubber grip

*2. EYFL4 · LA5



LED light

Light on when the switch is pulled.

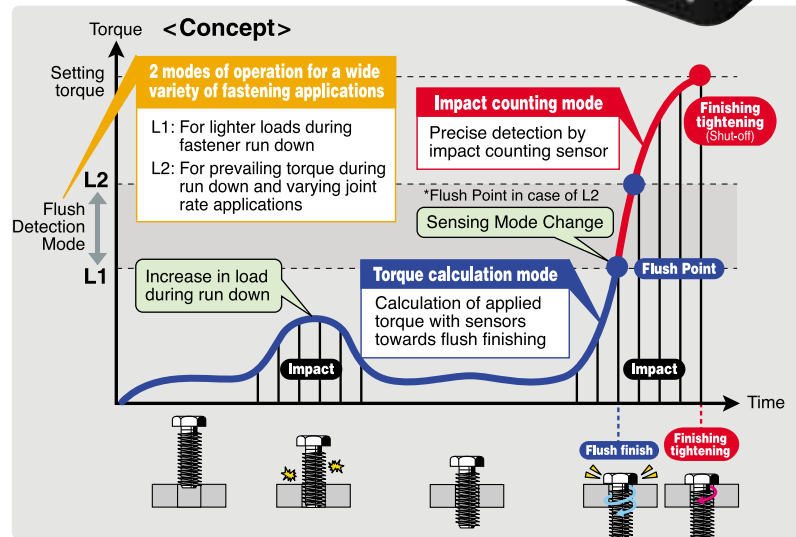


Color Plate for differentiation
Each tool model is color coded for easy identification.



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.



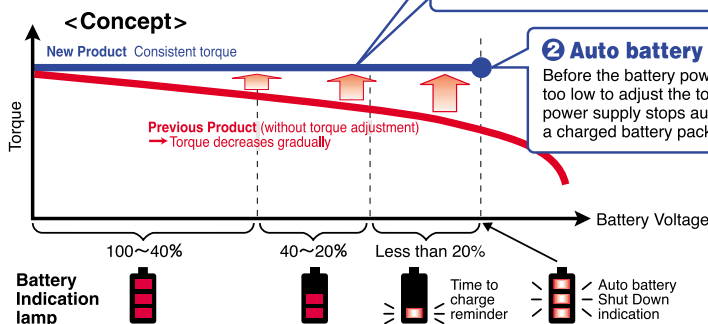
Maintains selected torque level even if battery power is running low

1 Torque Adjustment

Impact speed is always monitored. If it falls below the selected value due to lack of battery power, the necessary torque is added by calculating the loss of impact.

2 Auto battery Shut Down

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



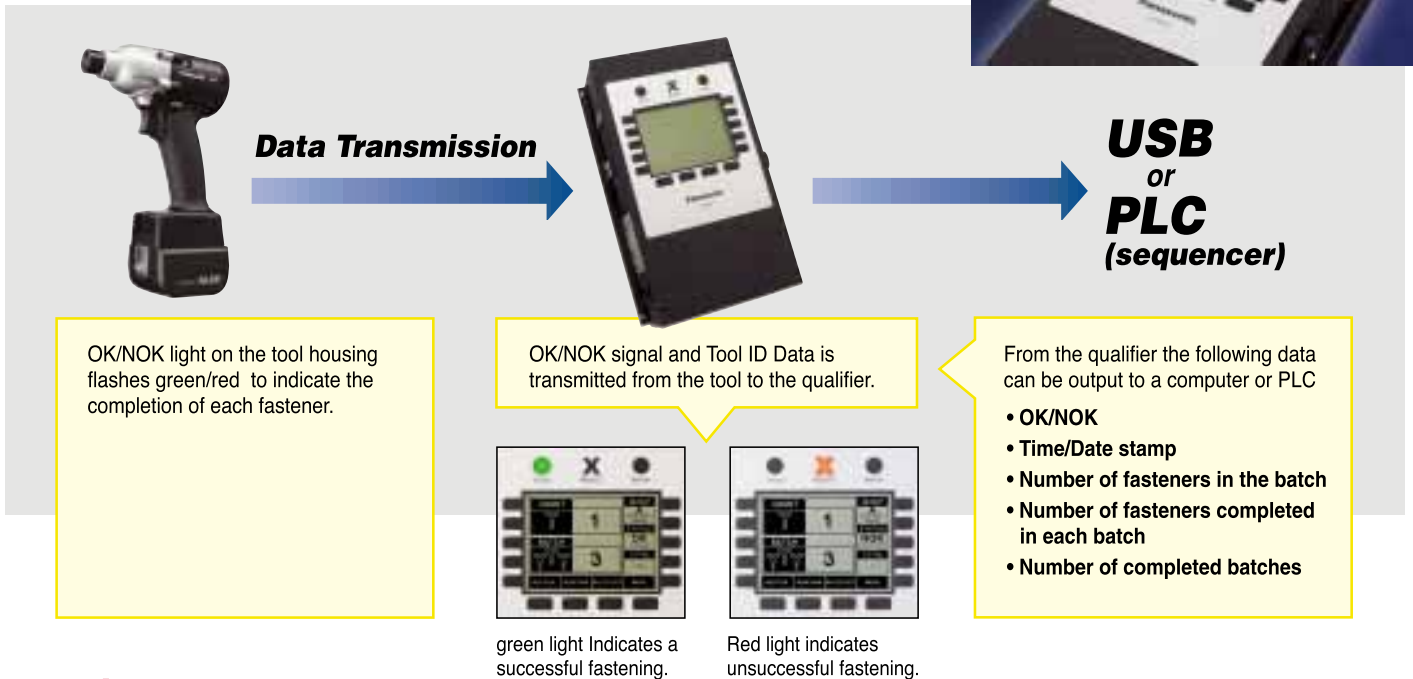
accuracy and durability.

Quality Control Monitoring

Panasonic Data Transmission System

System Flow Chart of Data Transmission System

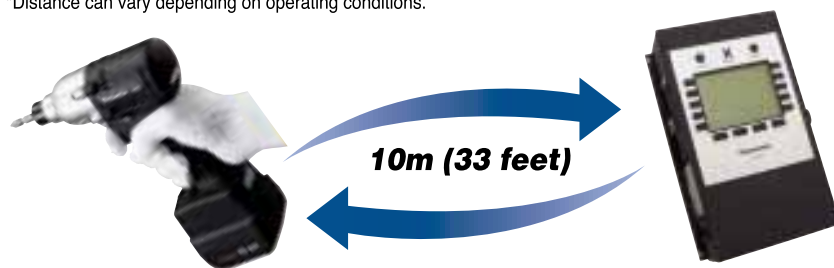
With this system, data from the fastening process can be stored to a computer or sequencer through the assembly qualifier, as OK/NOK data.



Tool distance

A highly reliable data signal can be transmitted if the tool is within 10m (33 feet) of the assembly qualifier and if there are no barriers between the tool and qualifier.

*Distance can vary depending on operating conditions.







- Qualifier can operate with up to 8 tools concurrently or a combination of 8 tools and batches per unit.
- Beeper and volume for OK/NOK, along with counting, batch number and sequencing can be done on the qualifier or through the I/O
- Once the tool is married to the qualifier unit, they will not communicate with other qualifier units.







Functionality chart (Combination of tool body and accessories)

	Improved fastening quality with fastener Monitoring	Signal of complete fastening transmission	Storing the data signal of complete fastening
Tool body+ Assembly Qualifier+ USB	○	○	○
Tool body+ Assembly qualifier + PLC (sequencer)	○	○	✗
Tool Body	○	✗	✗




Cordless Shut Off Tools with Data Transmission

	Cordless Impact Driver		Cordless Impact Wrench	
	EYFLA4AR	EYFLA5AR	EYFLA5QR	EYFLA6JR
	 <p>10.8V</p> <p>BRUSHLESS MOTOR</p> <p>3Ah Li-Ion</p> <p>*Battery pack is exclusive</p>	 <p>10.8V</p> <p>BRUSHLESS MOTOR</p> <p>3Ah Li-Ion</p> <p>*Battery pack is exclusive</p>	 <p>10.8V</p> <p>BRUSHLESS MOTOR</p> <p>3Ah Li-Ion</p> <p>*Battery pack is exclusive</p>	 <p>10.8V</p> <p>BRUSHLESS MOTOR</p> <p>3Ah Li-Ion</p> <p>*Battery pack is exclusive</p>
Chuck Size	□ 1/4" Hex Quick Change		□ 1/4" Hex Quick Change	□ 3/8" Square Drive (9.5mm)
Application	Screw M5•M6 (Normal—tensile bolt) M8 bolt (Normal bolt)		M6 bolt (tensile bolt) M8 bolt (Normal bolt)	M8 bolt (tensile bolt) M10 bolt (Normal bolt)
Maximum torque (F mode, tightening 3 sec.)	approx. 40 N•m (354 in-lbs)(29.5 Ft.lbs) M10 bolt		approx. 90 N•m (796 in-lbs)(66.4 Ft.lbs) M14 bolt	approx. 120 N•m (1062 in-lbs)(88.5 Ft.lbs) M14 bolt
Torque control function operating range	approx. 3—22 N•m (27—195 in-lbs)(2.2-16.2 Ft.lbs)		approx. 6—30 N•m (53—266 in-lbs)(4.4-22.1 Ft.lbs)	approx. 16—53 N•m (142—469 in-lbs)(11.8-39.1 Ft.lbs)
Torque Setting	30 stage + F (without torque setting mode)			
Flush Detection Mode Applications	L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications			
No load speed (unit : rpm)	stage1~3: 0~1000 stage4~6: 0~1500 stage7~30 • F: 0~2300		stage1: 0~1300 stage2: 0~1450 stage3: 0~1550 stage4~30 • F: 0~2300	0~2300
Impact per minute	stage1~3: 0~1950 stage4~6: 0~3000 stage7~30 • F: 0~4000		stage1: 0~2500 stage2: 0~2800 stage3: 0~3000 stage4~30 • F: 0~3600	0~3000
Weight (including battery pack)	approx. 2.8 lbs			approx. 3.1 lbs
Size	Length	6-7/32"		6-7/16"
	Height	9-25/32"		
	Width	approx. 2-21/64" dia. (Width of battery pack: approx. 2-61/64")		
Function	Data Transmission	● with assembly qualifier (OK Fasten=Green light, NO-K Fasten=Red Light)		
	LED Light	● (ON/OFF switch, Light off after five minutes automatically)		
	Tightening confirmation lamp	● (Finish tightening: Green Not finished tightening: Red)		
	Retightening Prevention Function	● (Possible to set per 0.1 sec. between 0~3sec.)		
	Battery indication lamp	● (3 stage)		
Auto-Power Stop function	●			
Application Capacity/ Working Speed	approx. 1200pcs/pack approx. 0.7sec/1pcs (M6: 89 in-lbs, Stage: 19)	approx. 800pcs/pack approx. 0.8sec/1pcs (M8: 204 in-lbs, Stage: 22)	approx. 500pcs/pack approx. 0.9sec/1pcs (M10: 381 in-lbs, Stage: 23)	
Charging time	Usable charge: approx. 40 min. Full charge: approx. 65 min (Battery pack EYFB30, Charger EY0L80)			






<Optional Accessory>

Assembly Qualifier EYFRZ01 (A,B,C,D,P)	10.8V Li-Ion Battery pack EYFB30B	Charger EY0L80B	Remote Control EYFA30B	Protector for Tool EYFA01-A (blue), -Y (yellow), -H (gray)	Protector for Battery EYFA02-H (gray)
 <p>*It's also available with various types of network cards</p>					

Cordless Shut Off Tools *without* Data Transmission

	Cordless Impact Driver		Cordless Impact Wrench	
	EYFLA4A	EYFLA5A	EYFLA5Q	EYFLA6J
	 <p>10.8V</p> <p>BRUSHLESS MOTOR</p> <p>3Ah LI-ION</p> <p>*Battery pack is exclusive</p>	 <p>10.8V</p> <p>BRUSHLESS MOTOR</p> <p>3Ah LI-ION</p> <p>*Battery pack is exclusive</p>	 <p>10.8V</p> <p>BRUSHLESS MOTOR</p> <p>3Ah LI-ION</p> <p>*Battery pack is exclusive</p>	
Chuck Size	□1/4" Hex Quick Change	□1/4" Hex Quick Change	□3/8" Square Drive (9.5mm)	□1/2" Square Drive (12.7mm)
Application	Screw M5·M6 (Normal—tensile bolt) M8 bolt (Normal bolt)	M6 bolt (tensile bolt) M8 bolt (Normal bolt)		M8 bolt (tensile bolt) M10 bolt (Normal bolt)
Maximum torque (F mode, tightening 3 sec.)	approx. 40 N·m (354 in-lbs)(29.5 Ft.lbs) M10 bolt	approx. 90 N·m (796 in-lbs)(66.4 Ft.lbs) M14 bolt		approx. 120 N·m (1062 in-lbs)(88.5 Ft.lbs) M14 bolt
Torque control function operating range	approx. 3—22 N·m (27—195 in-lbs)(2.2-16.2 Ft.lbs)	approx. 6—30 N·m (53—266 in-lbs)(4.4-22.1 Ft.lbs)		approx. 16—53 N·m (142—469 in-lbs)(11.8-39.1 Ft.lbs)
Torque Setting	30 stage + F (without torque setting mode)			
Flush Detection Mode Applications	L1: For lighter loads during fastener run down L2: For prevailing torque during run down and varying joint rate applications			
No load speed (unit : rpm)	stage1~3: 0~1000 stage4~6: 0~1500 stage7~30·F: 0~2300	stage1: 0~1300 stage2: 0~1450 stage3: 0~1550 stage4~30·F: 0~2300		0~2300
Impact per minute	stage1~3: 0~1950 stage4~6: 0~3000 stage7~30·F: 0~4000	stage1: 0~2500 stage2: 0~2800 stage3: 0~3000 stage4~30·F: 0~3600		0~3000
Weight (including battery pack)	approx. 2.8 lbs			approx. 3.1 lbs
Size	Length	6-7/32"		6-7/16"
	Height	9-25/32"		
	Width	approx. 2-21/64" dia. (Width of battery pack: approx. 2-61/64")		
Function	LED Light	● (ON/OFF switch, Light off after five minutes automatically)		
	Tightening confirmation lamp	● (Finish tightening: Green Not finished tightening: Red)		
	Retightening Prevention Function	● (Possible to set per 0.1 sec. between 0~3sec.)		
	Battery indication lamp	● (3 stage)		
Auto-Power Stop function	●			
Application Capacity/ Working Speed	approx. 1200pcs/pack approx. 0.7sec/1pcs (M6: 89 in-lbs, Stage: 19)	approx. 800pcs/pack approx. 0.8sec/1pcs (M8: 204 in-lbs, Stage: 22)		approx. 500pcs/pack approx. 0.9sec/1pcs (M10: 381 in-lbs, Stage: 23)
Charging time	Usable charge: approx. 40 min. Full charge: approx. 65 min (Battery pack EYFB30, Charger EY0L80)			

<Optional Accessory>

10.8V Li-Ion Battery pack EYFB30B	Charger EY0L80B	Remote Control EYFA30B	Protector for Tool EYFA01-A (blue), -Y (yellow), -H (gray)	Protector for Battery EYFA02-H (gray)
				

Drill & Driver

Lightweight and accurate +/- 5% Li-ion Auto Shut-Off Screwdriver

EY7411LA1S/EY7411LA1C

Cordless Drill & Driver Kit

3.6V REVOLITHIUM

1.5Ah
Li-ion



- Screw count function
- 1/4" Hex quick change chuck
- Cap for clutch lock out
- LED work light
- 30 min. charging system (Full charge)

Max.Torque

Low: 39.0 in.lbs.
High: 13.3 in.lbs.

Speed at No Load

Low: 200 rpm
High: 600 rpm

Clutch Torque (Approx.)

2.7-25.7 in.lbs.
(0.9 in.lbs. per stage, total 21 stage)

Charging Time

Usable: 15 minutes, Full: 30 minutes
(using EY0L10B charger)

Weight (incl.battery)

1.1 lbs

Size (LxHxW)

10-55/64" x 5-53/64" x 1-13/16"

Working Capacity

Fastening
Wood Screws in Yellow Pine
1/8" dia. x 1/2" 600
Screws in Sheet Metal (pre-hole)
M5 x 5/16" 1,000

Drilling
Holes in SPC
t=3/64", 5/64" dia. 85

Standard Accessory

EY7411LA1S
1 X 1.5Ah Li-ion battery pack (EY9L10B)
Charger (EY0L10B)
EY7411LA1C
1 X 1.5Ah Li-ion battery pack (EY9L10B)



EY9L10B



EY0L10B

Optional Accessory



Clutch lock cover
(EY9X007E)

EY7410LA2S/EY7410LA1C

Cordless Drill & Driver Kit

3.6V REVOLITHIUM

1.5Ah
Li-ion



- 1/4" Hex quick change chuck
- Cap for clutch lock out
- LED work light
- 30 min. charging system (Full charge)

Low: 39.0 in.lbs.
High: 13.3 in.lbs.

Low: 200 rpm
High: 600 rpm

2.7-25.7 in.lbs.
(0.9 in.lbs. per stage, total 21 stage)

Usable: 15 minutes, Full: 30 minutes
(using EY0L10B charger)

1.1 lbs

10-55/64" x 5-9/32" x 1-13/16"

Fastening
Wood Screws in Yellow Pine
1/8" dia. x 1/2" 600
Screws in Sheet Metal (pre-hole)
M5 x 5/16" 1,000

Drilling
Holes in SPC
t=3/64", 5/64" dia. 85

EY7410LA2S
2 X 1.5Ah Li-ion battery packs (EY9L10B)
Charger (EY0L10B), Carrying case
EY7410LA1C
1 X 1.5Ah Li-ion battery pack (EY9L10B)



EY9L10B



EY0L10B

Optional Accessory




Clutch lock cover
(EY9X007E)

Impact Driver

Impact Wrench

Panasonic Li-ion Tools for a wide variety of general applications

	EY7440LN2L/EY7440X Cordless 1/2" Drill & Driver Kit	EY7540LN2L/EY7540X Cordless Impact Driver Kit	EY7541LN2L/EY7541X Cordless Impact Wrench Kit
	<p>14.4V REVOLITHIUM</p>  <ul style="list-style-type: none"> • Electronic Performance Monitoring System • 1/2" Heavy duty keyless chuck • LED work light • Belt hook • 50 min. charging system (Full charge) 	<p>14.4V REVOLITHIUM</p>  <ul style="list-style-type: none"> • Brushless motor and electronic switch • 3 Speeds (High/Medium/Low) • 1/4" Hex quick connect chuck • Electronic performance monitoring system • Flash light included • LED work light • Belt hook • 50 min. charging system (Full charge) 	<p>14.4V REVOLITHIUM</p>  <ul style="list-style-type: none"> • Brushless motor and electronic switch • 3 Speeds (High/Medium/Low) • 1/2" Square chuck • Electronic performance monitoring system • Flash light included • LED work light • Belt hook • 50 min. charging system (Full charge)
Max.Torque	390 in.lbs.	High/Hard Mode: 1,330 in.lbs.* ¹ Medium Mode: 665 in.lbs.* ² Low/Soft Mode: 240 in.lbs.* ³	High/Hard Mode: 1,640 in.lbs.* ¹ Medium Mode: 750 in.lbs.* ² Low/Soft Mode: 440 in.lbs.* ³
Speed at No Load	Low: 60-400 rpm High: 200-1,350 rpm	High/Hard Mode: 0-2,300 rpm Medium Mode: 0-1,400 rpm Low/Soft Mode: 0-1,000 rpm	High/Hard Mode: 0-2,300 rpm Medium Mode: 0-1,400 rpm Low/Soft Mode: 0-1,000 rpm
Impact/min.	4.4-39.0 in.lbs. (2.0 in.lbs. per stage, total 18 stage)	High/Hard Mode: 0-3,000 ipm Medium Mode: 0-2,800 ipm Low/Soft Mode: 0-2,000 ipm	High/Hard Mode: 0-3,000 ipm Medium Mode: 0-2,800 ipm Low/Soft Mode: 0-2,000 ipm
Charging Time	Usable: 35 minutes, Full: 50 minutes (using EY0L80B charger)	Usable: 35 minutes, Full: 50 minutes (using EY0L80B charger)	Usable: 35 minutes, Full: 50 minutes (using EY0L80B charger)
Weight (incl.battery)	3.5 lbs	3.1 lbs	3.3 lbs
Size (LxHxW)	7-1/2" x 8-45/64" x 2-3/8"	6-1/4" x 8-3/4" x 2-3/8"	6-9/16" x 8-3/4" x 2-3/8"
Working Capacity	<p>Fastening</p> <ul style="list-style-type: none"> High Mode: Wood Screws in Yellow Pine 5/32" dia. x 63/64" 700 High Mode: Self-Drilling Screws in SPC t=1/16", 5/32" dia. x 1/2" 450 <p>Drilling</p> <ul style="list-style-type: none"> High Mode: Holes in Sheet Metal (Hole Saw) t=1/16", 53/64" dia. 15 Low Mode: Holes in Sheet Metal (Hole Saw) t=1/16", 1-19/64" dia. 12 High Mode: Holes in Yellow Pine 45/64" dia. x 4-23/32" 55 Low Mode: Holes in Yellow Pine 3/16" dia. x 1-37/64" 85 	<p>Fastening</p> <ul style="list-style-type: none"> Wood Screws in Yellow Pine 11/64" dia. x 2-61/64" 290 Self-Drilling Screws in SPC t=1/16", 5/32" dia. x 1/2" 460 Standard Tensile Bolt t=3/8", M16 x 63/64" 390 Standard Tensile Bolt t=3/8", M12 x 63/64" 1,000 High Tensile Bolt t=3/8", M12 x 63/64" 170 	<p>Fastening</p> <ul style="list-style-type: none"> Standard Tensile Bolt t=3/8", M16 x 63/64" 390 Standard Tensile Bolt (Metal Sheet) t=3/8", M14 x 63/64" 550 High Tensile Bolt t=3/8", M12 x 63/64" 170 Wood Screws in Yellow Pine 11/64" dia. x 2-61/64" 290 Self-Drilling Screws in SPC t=1/16", 5/32" dia. x 1/2" 460
Standard Accessory	<p>EY7440LN2L 2 X 3Ah Li-ion battery packs (EY9L40B) Light (EY3740B), Charger (EY0L80B) Carrying case</p> <p>EY7540X Battery Pack and Battery Charger are not included.</p> 	<p>EY7540LN2L 2 X 3Ah Li-ion battery packs (EY9L40B) Light (EY3740B), Charger (EY0L80B) Carrying case</p> <p>EY7540X Battery Pack and Battery Charger are not included.</p> 	<p>EY7541LN2L 2 X 3Ah Li-ion battery packs (EY9L40B) Light (EY3740B), Charger (EY0L80B) Carrying case</p> <p>EY7541X Battery Pack and Battery Charger are not included.</p> 

*1 M14 High tensile bolt tightening for 3 sec.
*2 M10 High tensile bolt tightening for 3 sec.
*3 M8 High tensile bolt tightening for 3 sec.

*1 M16 High tensile bolt tightening for 3 sec.
*2 M10 High tensile bolt tightening for 3 sec.
*3 M8 High tensile bolt tightening for 3 sec.

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Design and specifications subject to change without notice.

Panasonic ideas for life