

**Operating Instructions**  
**Bedienungsanleitung**  
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**Gebruiksaanwijzing**  
**Manual de instrucciones**  
**Brugsvejledning**  
**Driftsföreskrifter**  
**Bruksanvisning**  
**Käyttöohjeet**

# Panasonic

**Cordless Impact Driver/Cordless Impact Wrench**  
**Akku-Schlagschrauber/Akku-Schlagschrauber**  
**Perceuse à impact sans fil/Perceuse à impact sans fil**  
**Avvitatore ad impulsi senza fili/Avvitatore ad impulsi senza fili**  
**Snoerloze slagschroevendraaier/Snoerloze slagschroevendraaier**  
**Destornillador de impacto inalámbrico/Destornillador de impacto inalámbrico**  
**Akku-slagboremaskine/Akku-slagboremaskine**  
**Sladdlös slagskruvdragare/Sladdlös slagskruvdragare**  
**Trådløs slagbormaskin/Trådløs slagbormaskin**  
**Langaton iskuruuviavain/Langaton iskuruuviavain**

**Model No: EY75A1/EY75A2**



Before operating this unit, please read these instructions completely and save this manual for future use.

Vor Inbetriebnahme des Gerätes die Betriebsanleitung bitte gründlich durchlesen und diese Broschüre zum späteren Nachschlagen sorgfältig aufbewahren.

Lire entièrement les instructions suivantes avant de faire fonctionner l'appareil et conserver ce mode d'emploi à des fins de consultation ultérieure.

Prima di usare questa unità, leggere completamente queste istruzioni e conservare il manuale per usi futuri.

Lees deze gebruiksaanwijzing aandachtig door voor u het apparaat in gebruik neemt en bewaar de gebruiksaanwijzing voor eventuele naslag.

Antes de usar este aparato por primera vez, lea todas las instrucciones de este manual y guarde el manual para poderlo consultar en el futuro.

Gennemlæs denne betjeningsvejledning før brugen og gem den til fremtidig brug.

Läs igenom hela bruksanvisningen innan produkten tas i bruk. Spara bruksanvisningen för senare användning.

Før enheten tas i bruk, vennligst les disse alle anvisningene og oppbevar bruksanvisningen for senere bruk.

Lue ohjeet huolella ennen laitteen käyttöönottoa ja säilytä tämä käyttöohje tallessa tulevaa tarvetta varten.



**Original instructions: English**  
**Translation of the original instructions:**  
**Other languages**

**Read “the Safety Instructions” booklet and the following before using.**

## I. ADDITIONAL SAFETY RULES

- 1) **Wear ear protectors when using the tool for extended periods.**
- 2) Be aware that this tool is always in an operating condition, since it does not have to be plugged into an electrical outlet.
- 3) When screwing or driving into walls, floors, etc., “live” electrical wires may be encountered. **DO NOT TOUCH THE HEX QUICK CHUCK OR ANY FRONT METAL PARTS OF THE TOOL!** Hold the tool only by the plastic handle to prevent electric shock in case you screw or drive into a “live” wire.
- 4) Do NOT operate the Forward/Reverse lever when the main switch is on. The battery will discharge rapidly and damage to the unit may occur.
- 5) During charging, the charger may become slightly warm. This is normal.  
Do NOT charge the battery for a long period.

- 6) When storing or carrying the tool, set the Forward/Reverse lever to the center position (switch lock).
- 7) Do not strain the tool by holding the speed control trigger halfway (speed control mode) so that the motor stops.

Symbol	Meaning
V	Volts
— — —	Direct current
$n_0$	No load speed
... min <sup>-1</sup>	Revolutions or reciprocations per minutes
Ah	Electrical capacity of battery pack
	Read the operating instructions before use.
	For indoor use only.

### **WARNING:**

- Do not use other than the Panasonic battery packs that are designed for use with this rechargeable tool.
- Panasonic is not responsible for any damage or accident caused by the use of recycled or counterfeit battery pack.
- Do not dispose of the battery pack in a fire, or expose it to excessive heat.
- Do not drive the likes of nails into the battery pack, subject it to shocks, dismantle it, or attempt to modify it.
- Do not allow metal objects to touch the battery pack terminals.
- Do not carry or store the battery pack in the same container as nails or similar metal objects.
- Do not charge the battery pack in a high-temperature location, such as next to a fire or in direct sunlight. Otherwise, the battery may overheat, catch fire, or explode.
- Never use other than the dedicated charger to charge the battery pack. Otherwise, the battery may leak, overheat, or explode.

- After removing the battery pack from the tool or the charger, always reattach the pack cover. Otherwise, the battery contacts could be shorted, leading to a risk of fire.
- When the Battery Pack Has Deteriorated, Replace It with a New One. Continued use of a damaged battery pack may result in heat generation, ignition or battery rupture.

## II. ASSEMBLY

### Attaching or Removing Bit

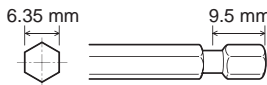
#### NOTE:

- When attaching or removing a bit, disconnect battery pack from tool or place the switch in the center position (switch lock).
1. Hold the collar of quick connect chuck and pull it out from the driver.
  2. Insert the bit into the chuck. Release the collar.
  3. The collar will return to its original position when it is released.
  4. Pull the bit to make sure it does not come out.
  5. To remove the bit, pull out the collar in the same way.

#### CAUTION:

- If the collar does not return to its original position or the bit comes out when pulled on, the bit has not been properly attached. Make sure the bit is properly attached before use.

Use 6.35 mm hexagonal bits.  
To ensure proper securement of the bit, use only hexagonal bits with 9.5 mm detent.

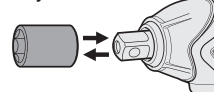


### Attaching or Removing Socket

#### 1. Attaching Socket

Attach the socket by sliding the female detent on the bottom of the socket to the square drive on the body.

Make sure the socket is firmly connected to the body.



#### 2. Removing Socket

Pull out the socket.

#### NOTE:

Attaching or Removing Original Options and Sockets

Keep the body above freezing point (0°C 32°F) when attach or detach original options and sockets to the square drive on the body. The cushion rubber in the square drive to push up the ball may get hard under freezing point. This requires extra force in detaching and attaching sockets.

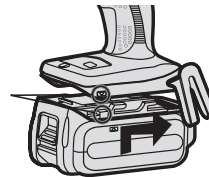
### Attaching or Removing Battery Pack

#### 1. To connect the battery pack:

Line up the alignment marks and attach the battery pack.

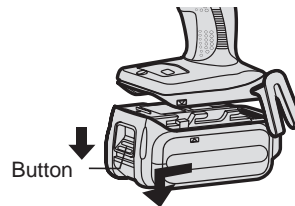
- Slide the battery pack until it locks into position.

Alignment marks



#### 2. To remove the battery pack:

Pull the button from the front to release the battery pack.



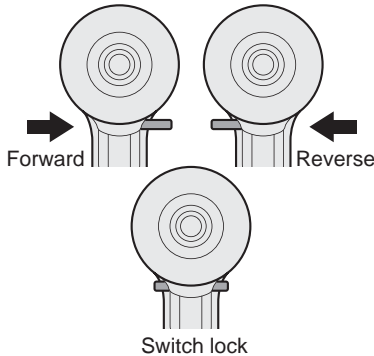
### III. OPERATION

#### ⚠ WARNING!

- Do not inhale any smoke emitted from the tool or battery pack as it may be harmful.

#### [Main Body]

#### Switch and Forward/Reverse Lever Operation



#### CAUTION:

To prevent damage, do not operate Forward/Reverse lever until the bit comes to a complete stop.

#### Forward Rotation Switch Operation

1. Push the lever for forward rotation.
2. Depress the trigger switch slightly to start the tool slowly.
3. The speed increases with the amount of depression of the trigger for efficient tightening of screws. The brake operates and the bit stops immediately when the trigger is released.
4. After use, set the lever to its center position (switch lock).

#### Reverse Rotation Switch Operation

1. Push the lever for reverse rotation. Check the direction of rotation before use.
2. Depress the trigger switch slightly to start the tool slowly.

3. After use, set the lever to its center position (switch lock).

#### CAUTION:

- To eliminate excessive temperature increase of the tool surface, do not operate the tool continuously using two or more battery packs. Tool needs cool off time before switching to another pack.

#### How to Use the Belt Hook

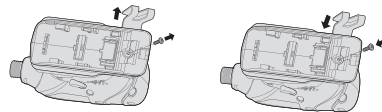
#### ⚠ WARNING!

- Be sure to attach the belt hook securely to the main unit with the screw firmly fastened. When the belt hook is not firmly attached to the main unit, the hook may disconnect and the main unit may fall. This may result in an accident or injury.
- Periodically check screw for tightness. If found to be loose, tighten firmly.
- Be sure to attach the belt hook firmly and securely onto a waist belt or other belt. Pay attention that the unit does not slip off the belt. This may result in an accident or injury.
- When the main unit is held by the belt hook, avoid jumping or running with it. Doing so may cause the hook to slip and the main unit may fall. This may result in an accident or injury.
- When the belt hook is not used, be sure to return it to the storing position. The belt hook may catch on something. This may result in an accident or injury.
- When the unit is hooked onto the waist belt by the belt hook, do not attach driver bits to the unit. A sharp edge object, such as a drill bit, may cause injury or an accident.

#### To Change the Belt Hook Location Side

The belt hook can be attached to either side of the unit.

1. Removing the hook
  - (1) Remove the nut.
  - (2) Draw out the hook.



2. Attaching the hook to the other side
  - (1) Insert the hook in the other side.
  - (2) Tighten the nut fully so that it securely fastened.

## Variable Speed Control Trigger

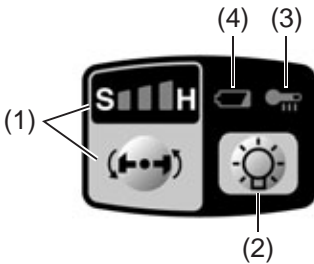
To set the center of a hole, pull the trigger slightly to start the bit rotation slowly. The more the speed control trigger is pulled, the higher the speed becomes.

### CAUTION:

When operating the tool by pulling the trigger, there may be a momentary lag before rotation starts. This does not signal a malfunction.

- This lag occurs as the tool's circuitry starts up when the trigger is pulled for the first time after installing a new battery pack or after the tool has not been used for at least 1 minute (or at least 5 minutes when the LED is on). Rotation will start without any lag during second and subsequent operations.

## Control Panel






### (1) Impact Power Mode Select

- Selecting the impact power among 3 modes (Soft, Medium, Hard).

Press the impact power mode button to set it. The mode changes to hard, medium, or soft each time the button is pressed. The driver is preset to "hard" impact mode setting when shipped from the manufacturer.

### Recommended work guideline table

Impact Power mode Display	Recommended Application
<b>H</b>  0 – 2300 r.p.m./ 0 – 2500 r.p.m. and 0 – 3000 i.p.m./ 0 – 3500 i.p.m.	Jobs requiring a high level of torque where there is no possibility of the bolts or screw breaking, its top shearing off, or the bit coming loose. (This setting provides maximum torque.) Suitable applications include: <ul style="list-style-type: none"> <li>• Tightening M8 and larger bolts</li> <li>• Tightening long screws during interior finishing work</li> </ul>

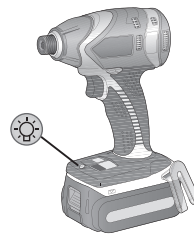
<b>M</b>  0 – 1400 r.p.m. and 0 – 2800 i.p.m.	Jobs requiring limited torque where there is a possibility of the screw breaking or its top shearing off. (This setting limits torque.) Suitable applications include: <ul style="list-style-type: none"> <li>• Tightening bolts with smaller diameters (M6)</li> <li>• Tightening metalwork screws when installing fixtures</li> </ul>
<b>S</b>  0 – 1000 r.p.m. and 0 – 2000 i.p.m.	Jobs requiring limited torque where there is a possibility of the screw breaking, its top shearing off, or the bit coming loose and damaging a finished exterior surface. (This setting limits torque.) Suitable applications include: <ul style="list-style-type: none"> <li>• Tightening bolts smaller than M6 that may shear easily</li> <li>• Tightening screws into molded plastic</li> <li>• Installing gypsum wallboard</li> </ul>


\* i.p.m. = Impact per minute.

Avoid repeatedly depressing the switch when the bolts and screws are securely fastened.

Not doing so may cause a delay in rotation starting, or the Impact Power mode display to flash and prevent rotation from starting for circuit protection.

### (2) LED light



Pressing the  button toggles the LED light on and off.

The light illuminates with very low current, and it does not adversely affect the performance of the driver during use or its battery capacity.

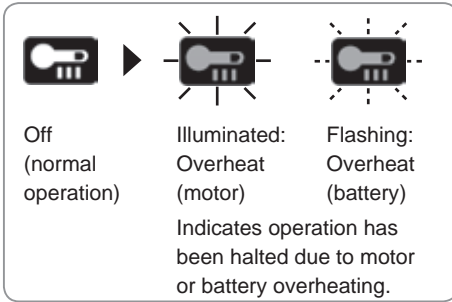
### CAUTION:

- The built-in LED light is designed to illuminate the small work area temporarily.
- Do not use it as a substitute for a regular flashlight, since it does not have enough brightness.
- LED light turns off when the tool has not been used for 5 minutes.

### Caution : DO NOT STARE INTO BEAM.

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

### (3) Overheat warning lamp

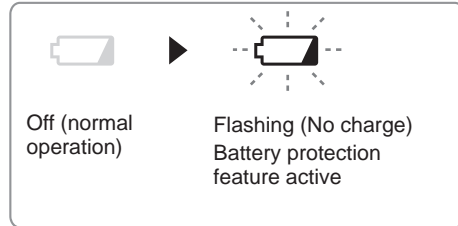


To protect the motor or battery, be sure to note the following when carrying out this operation.

- If the motor or battery becomes hot, the protection function will be activated and the motor or battery will stop operating. The overheat warning lamp on the control panel illuminates or flashes when this feature is active.
- If the overheating protection feature activates, allow the tool to cool thoroughly (at least 30 minutes). The tool is ready for use when the overheat warning lamp goes out.
- Avoid using the tool in a way that causes the overheating protection feature to activate repeatedly.
- If the tool is operated continuously under high-load conditions or if it is used in hot-temperature conditions (such as during summer), the overheating protection feature may activate frequently.
- If the tool is used in cold-temperature conditions (such as during winter) or if it is frequently stopped during use, the overheating protection feature may not activate.
- The performance of the EY9L42 deteriorates significantly at and below 10°C due to work conditions and other factors.
- The ambient temperature range is between 0°C (32°F) and 40°C (104°F). If the battery pack is used when the battery temperature is below 0°C (32°F), the tool may fail to function properly.
- Use the charger at temperatures between 0°C and 40°C, and charge the battery at a temperature similar to that of the battery itself. (There should be no

more than a 15°C difference between the temperatures of the battery and the charging location.)

### (4) Battery low warning lamp



Excessive (complete) discharging of lithium ion batteries shortens their service life dramatically. The driver includes a battery protection feature designed to prevent excessive discharging of the battery pack.

- The battery protection feature activates immediately before the battery loses its charge, causing the battery low warning lamp to flash.
- If you notice the battery low warning lamp flashing, charge the battery pack immediately.
- If it is started with too little battery power remaining, the tool may stop operating without the battery low warning lamp flashing first. This indicates that there is too little battery power remaining to use the tool, and the battery pack should be charged before further use.
- If the tool is subject to a sudden load during use that causes the motor to lock up, the over current prevention sensor may be triggered, and the impact power select display may flash. The lamp will stop flashing once you address the cause of the motor's locking up and cycle the trigger.

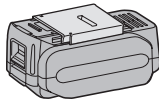
## Recommended Grip

Use the grip to hold and operate the driver with one hand. If the job requires additional force, you can push against the rear end of the driver with your other hand.

## [Battery Pack] For Appropriate Use of Battery Pack

### Li-ion Battery Pack

- For optimum battery life, store the Li-ion battery pack following use without charging it.
- When charging the battery pack, confirm that the terminals on the battery charger are free of foreign substances such as dust and water etc. Clean the terminals before charging the battery pack if any foreign substances are found on the terminals.  
The life of the battery pack terminals may be affected by foreign substances such as dust and water etc. during operation.
- When battery pack is not in use, keep it away from other metal objects like: paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause sparks, burns or a fire.
- When operating the battery pack, make sure the work place is well ventilated.
- When the battery pack is removed from the main body of the tool, replace the battery pack cover immediately in order to prevent dust or dirt from contaminating the battery terminals and causing a short circuit.



### Battery Pack Life

The rechargeable batteries have a limited life. If the operation time becomes extremely short after recharging, replace the battery pack with a new one.

### Battery Recycling

#### ATTENTION:

For environmental protection and recycling of materials, be sure that it is disposed of at an officially assigned location, if there is one in your country.

## [Battery Charger] Charging

### Cautions

- If the temperature of the battery pack falls approximately below  $-10^{\circ}\text{C}$  ( $14^{\circ}\text{F}$ ), charging will automatically stop to prevent degradation of the battery.
- The ambient temperature range is between  $0^{\circ}\text{C}$  ( $32^{\circ}\text{F}$ ) and  $40^{\circ}\text{C}$  ( $104^{\circ}\text{F}$ ). If the battery pack is used when the battery temperature is below  $0^{\circ}\text{C}$  ( $32^{\circ}\text{F}$ ), the tool may fail to function properly.
- Use the charger at temperatures between  $0^{\circ}\text{C}$  and  $40^{\circ}\text{C}$ , and charge the battery at a temperature similar to that of the battery itself. (There should be no more than a  $15^{\circ}\text{C}$  difference between the temperatures of the battery and the charging location.)
- When charging a cool battery pack (below  $0^{\circ}\text{C}$  ( $32^{\circ}\text{F}$ )) in a warm place, leave the battery pack at the place and wait for more than one hour to warm up the battery to the level of the ambient temperature.
- Cool down the charger when charging more than two battery packs consecutively.
- Do not insert your fingers into contact hole, when holding charger or any other occasions.

#### CAUTION:

To prevent the risk of fire or damage to the battery charger.

- Do not use power source from an engine generator.
- Do not cover vent holes on the charger and the battery pack.
- Unplug the charger when not in use.

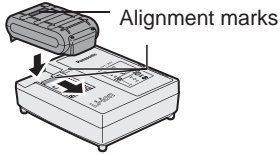
### Li-ion Battery Pack

#### NOTE:

Your battery pack is not fully charged at the time of purchase. Be sure to charge the battery before use.

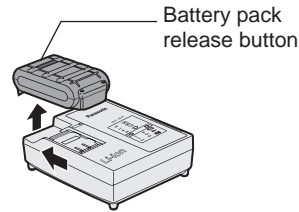
## Battery charger

1. Plug the charger into the AC outlet.
2. Insert the battery pack firmly into the charger.
  - 1 Line up the alignment marks and place the battery onto the dock on the charger.
  - 2 Slide forward in the direction of the arrow.

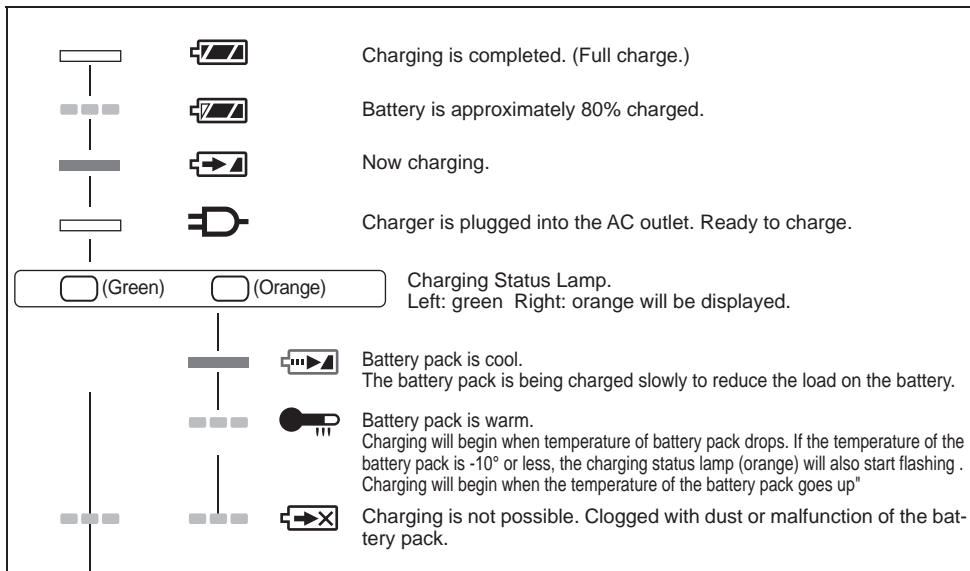


3. During charging, the charging lamp will be lit. When charging is completed, an internal electronic switch will automatically be triggered to prevent overcharging.
  - Charging will not start if the battery pack is warm (for example, immediately after heavy-duty operation). The orange standby lamp will be flashing until the battery cools down. Charging will then begin automatically.
4. The charge lamp (green) will flash slowly once the battery is approximately 80% charged.

5. When charging is completed, the charging lamp in green color will turn off.
6. If the temperature of the batter pack is 0°C or less, charging takes longer to fully charge the battery pack than the standard charging time. Even when the battery is fully charged, it will have approximately 50% of the power of a fully charged battery at normal operating temperature.
7. Consult an authorized dealer if the charging lamp (green) does not turn off.
8. If a fully charged battery pack is inserted into the charger again, the charging lamp lights up. After several minutes, the charging lamp in green color will turn off.
9. Remove the battery pack while the battery pack release button is held up.



## LAMP INDICATIONS



Turn off

Lit

Flashing



## Information for Users on Collection and Disposal of Old Equipment and used Batteries



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.



For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.



By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

### For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

### [Information on Disposal in other Countries outside the European Union]

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

### Note for the battery symbol (bottom two symbol examples):

This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

## IV. MAINTENANCE

- Use only a dry, soft cloth for wiping the unit. Do not use a damp cloth, thinner, benzine, or other volatile solvents for cleaning.
- In the event that the inside of the tool or battery pack is exposed to water, drain and allow to dry as soon as possible. Carefully remove any dust or iron filings that collect inside the tool. If you experience any problems operating the tool, consult with a repair shop.

## V. TIGHTENING TORQUE

The power required for tightening a bolt will vary, according to bolt material and size, as well as the material being bolted. Choose the length of tightening time accordingly. Reference values are provided below. (They may vary according to tightening conditions.)

### Factors Affecting Tightening Torque

The tightening torque is affected by a wide

variety of factors including the followings. After tightening, always check the torque with a torque wrench.

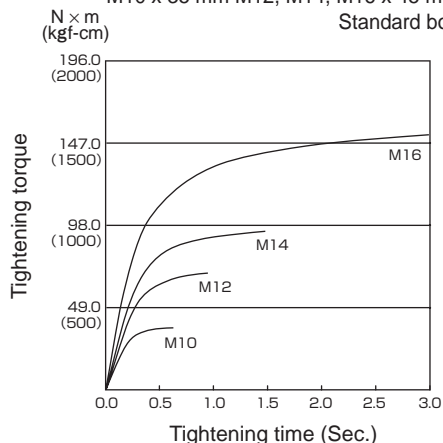
#### 1) Voltage

When the battery pack becomes nearly discharged, the voltage decreases and the tightening torque drops.

### Bolt Tightening Conditions

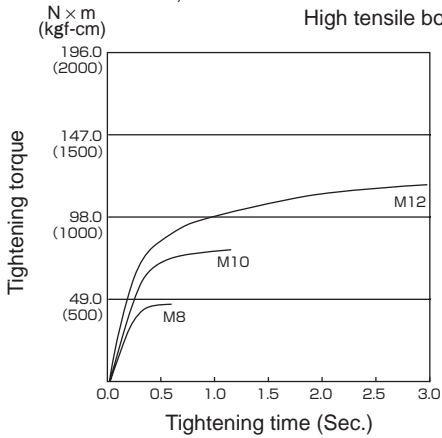
#### EY75A1 14.4 V

M10 x 35 mm M12, M14, M16 x 45 mm  
Standard bolt



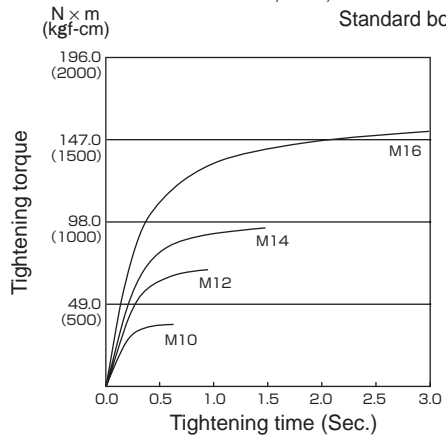
**EY75A1 14.4 V**

M8, M10 x 35 mm. M12 x 45 mm  
High tensile bolt



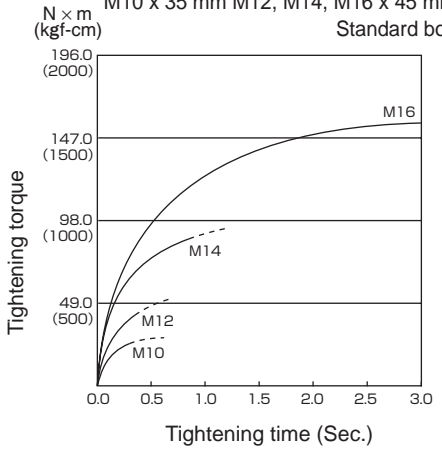
**EY75A1 18 V**

M10 x 35 mm M12, M14, M16 x 45 mm  
Standard bolt



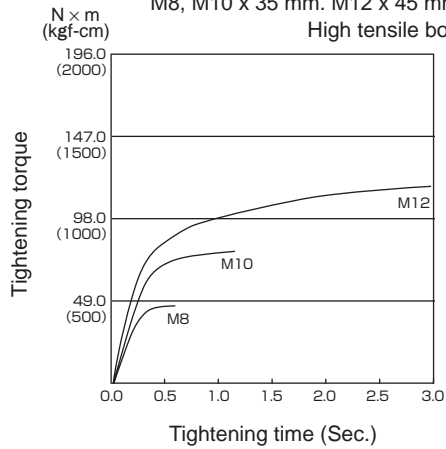
**EY75A2 14.4 V**

M10 x 35 mm M12, M14, M16 x 45 mm  
Standard bolt



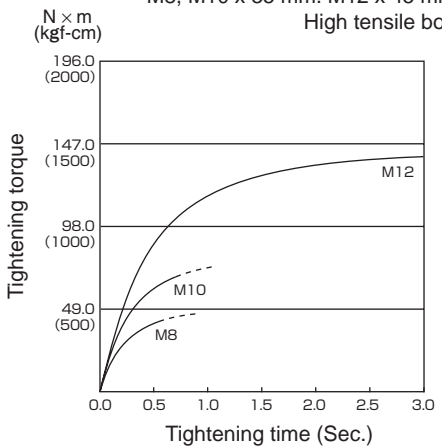
**EY75A1 18 V**

M8, M10 x 35 mm. M12 x 45 mm  
High tensile bolt



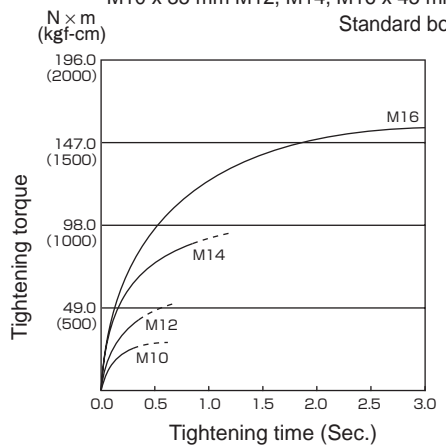
**EY75A2 14.4 V**

M8, M10 x 35 mm. M12 x 45 mm  
High tensile bolt

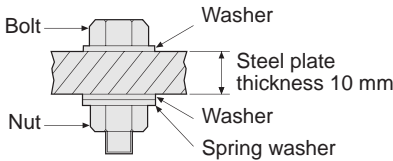
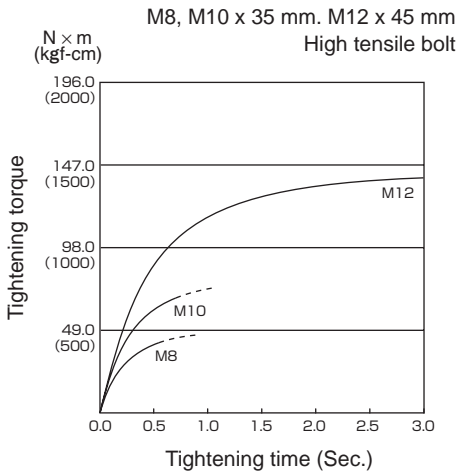


**EY75A2 18 V**

M10 x 35 mm M12, M14, M16 x 45 mm  
Standard bolt



## EY75A2 18 V



### Tightening conditions

- The following bolts are used.
  - Standard bolts: Strength type 4.8
  - High tensile type 12.9

Explanation of the strength type

- 4.8 Bolt yield point (80% of tensile strength) 32 kgf/mm<sup>2</sup> (45000 psi)
- Bolt tensile strength 40 kgf/mm<sup>2</sup> (56000 psi)

### 2) Tightening time

Longer tightening time results in increased tightening torque. Excessive tightening, however, adds no value and reduces the life of the tool.

### 3) Different bolt diameters

The size of the bolt diameter affects the tightening torque.

Generally, as the bolt diameter increases, tightening torque rises.

### 4) Tightening conditions

- Tightening torque will vary, even with the same bolt, according to grade, length, and torque coefficient (the fixed coefficient indicated by the manufacturer upon production).
- Tightening torque will vary, even with the same bolting material (e.g. steel), according to the surface finish.
- Torque is greatly reduced when the bolt and nut start turning together.

### 5) Socket play

Torque is lowered as the six-sided configuration of the socket of the wrong size is used to tighten a bolt.

### 6) Switch (Variable speed control trigger)

Torque is lowered if the unit is used with the switch not fully depressed.

### 7) Effect of Connecting Adaptor

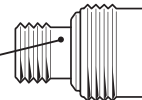
The tightening torque will be lowered through the use of a universal joint or a connecting adaptor.

## VI ACCESSORIES

Use only suitable size of bit.

Panasonic original Optional Quick change chuck (EY9HX110E).

Chuck Size: 6.35 mm hex



## VII APPENDIX

### MAXIMUM RECOMMENDED CAPACITIES

Model		EY75A1	EY75A2
Screw driving	Wood screw	φ 3.5 mm - φ 9.5 mm	
	Self-drilling screw	φ 3.5 mm - φ 6 mm	
Bolt fastening		Standard bolt : M6 - M16 High tensile bolt : M6 - M12	

# VIII SPECIFICATIONS

## MAIN UNIT

Model		EY75A1		EY75A2	
Motor voltage		14.4 V DC	18 V DC	14.4 V DC	18 V DC
No load speed	soft mode	0 - 1000 min <sup>-1</sup>			
	medium mode	0 - 1400 min <sup>-1</sup>			
	hard mode	0 - 2500 min <sup>-1</sup>		0 - 2300 min <sup>-1</sup>	
Maximum torque		150 N·m	155 N·m	200 N·m	205 N·m
Impact per minute	soft mode	0 - 2000 min <sup>-1</sup>			
	medium mode	0 - 2800 min <sup>-1</sup>			
	hard mode	0 - 3000 min <sup>-1</sup>		0 - 3500 min <sup>-1</sup>	
Overall length		143 mm		155 mm	
Weight (with battery pack: EY9L44)		1.55 kg	-	1.55 kg	-
Weight (with battery pack: EY9L45)		1.55 kg	-	1.55 kg	-
Weight (with battery pack: EY9L50)		-	1.65 kg	-	1.65 kg
Weight (with battery pack: EY9L51)		-	1.65 kg	-	1.65 kg
Noise, Vibration		See the included sheet			

## BATTERY PACK

Model	EY9L41	EY9L42	EY9L44	EY9L45	EY9L50	EY9L51
Storage battery	Li-ion Battery					
Battery voltage	14.4 V DC (3.6 V x 4 cells)		14.4 V DC (3.6 V x 8 cells)		18 V DC (3.6 V x 10 cells)	

## BATTERY CHARGER

Model	EY0L81					
Electrical rating	See the rating plate on the bottom of the charger					
Weight	0.93 kg					
Charging time	EY9L41	EY9L42	EY9L44	EY9L45	EY9L50	EY9L51
	Usable: 45 min	Usable: 30 min	Usable: 50 min	Usable: 65 min	Usable: 50 min	Usable: 65 min
	Full: 60 min	Full: 35 min	Full: 65 min	Full: 80 min	Full: 65 min	Full: 80 min

Model	EY0L82					
Electrical rating	See the rating plate on the bottom of the charger					
Weight	0.93 kg					
Charging time	EY9L41	EY9L42	EY9L44	EY9L45	EY9L50	EY9L51
	Usable: 35 min	Usable: 30 min	Usable: 40 min	Usable: 50 min	Usable: 40 min	Usable: 55 min
	Full: 50 min	Full: 35 min	Full: 55 min	Full: 60 min	Full: 55 min	Full: 70 min

**NOTE:** This chart may include models that are not available in your area.  
Please refer to the latest general catalogue.

**NOTE:** For the dealer name and address, please see the included warranty card.

**ONLY FOR U. K.**



## **IX. ELECTRICAL PLUG INFORMATION**

### **FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY**

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5 amp fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5 amp and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic Dealer.

**IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.**

**THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.**

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician.

### **IMPORTANT:**

The wires in this mains lead are coloured in accordance with the following code:


Blue: Neutral

Brown: Live

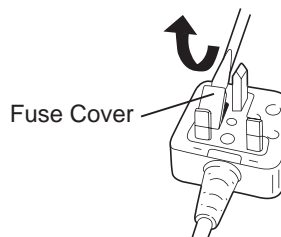
As the colours of the wire in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows.

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

Under no circumstances should either of these wires be connected to the earth terminal of the three pin plug, marked with the letter E or the Earth Symbol .

**How to replace the fuse:** Open the fuse compartment with a screwdriver and replace the fuse and fuse cover if it is removable.



This apparatus was produced to BS800.