

professional cordless  
**power tools**

Full-Line Catalog 2009

**Panasonic**

EY7960 21.6V

**REVOLITHIUM**

works hard, stays cool

Li-ion **21.6V** 3Ah EY9L60  
LN

**Panasonic ideas for life**



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# 21.6V Li-ion

**Panasonic - Facing the future  
with the power of Li-ion.**

Using a Li-ion battery dramatically increases the total amount of work performed during the life of the battery pack.

Li-ion is tougher, more powerful, lighter weight and more compact than current battery chemistries. Plus it's easy to use.

The Li-ion Lineup responds to the needs of professionals worldwide.



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works hard, stays cool

28.8V



EY7880LN2S  
SDS-plus Rotary Hammer

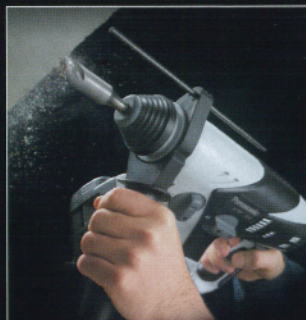
21.6V



**NEW**  
EY7460LN2S  
Drill & Driver



**NEW**  
EY7960LN2S  
Hammer Drill & Driver



14.4V



EY7440LN2L  
Drill & Driver



EY7540LN2L  
Impact Driver



EY7541LN2L  
Impact Wrench



EY7542LN2L  
Multi-Impact & Drill Driver



EY7840LN2S  
Rotary Hammer Drill & Driver



**NEW**  
EY4542LN2M  
Multi Purpose Metal Cutter



**NEW**  
EY4640X\*  
Angle Grinder



3.6V



**NEW**  
EY4541X\*  
Jigsaw



EY3740B  
Flashlight



EY7410LA2S  
Drill & Driver



\* Battery Pack and Battery Charger are not included.



### Li-ion 28.8V/21.6V/14.4V

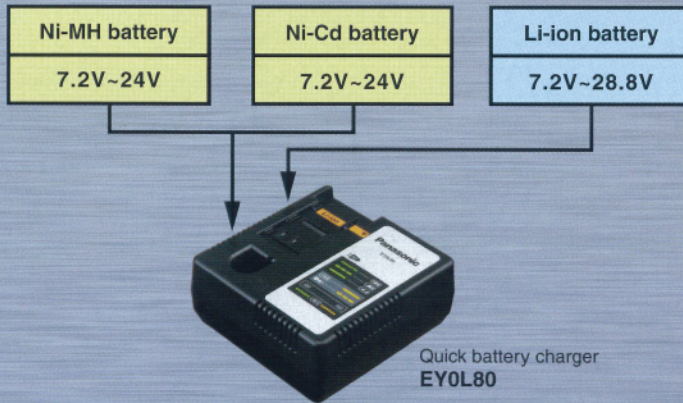
### Li-ion 3.6V

#### Lifetime total performance

approx.  
**2.5**  
times

\* In comparison to one of our fully-charged EY9200 batteries (company study)

#### • Index comparison of total performance

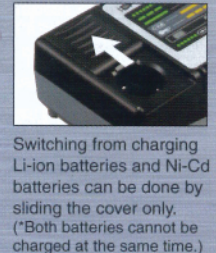
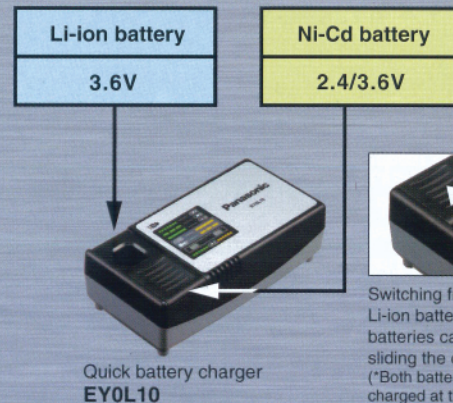
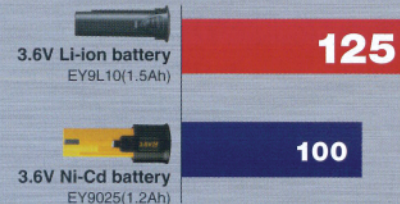


#### Lifetime total performance

approx.  
**1.25**  
times

\* In comparison to one of our fully-charged EY6225 batteries (company study)

#### • Index comparison of total performance



### New Cobalt Li-ion Battery

Cobalt lithium chemistry benefits from a lower internal resistance (electrical loss) than manganese lithium.

#### High Output

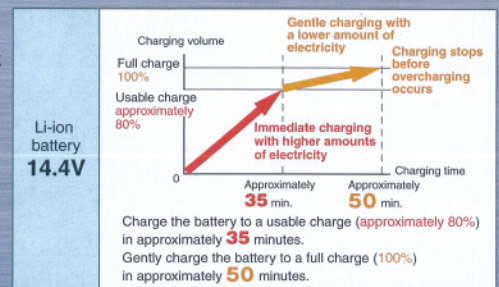
High electrical efficiency lets cobalt lithium batteries deliver greater output than manganese lithium batteries.

#### Low Heat

Cobalt lithium batteries are less prone to increases in temperature than manganese lithium batteries, helping to prevent shortening of service life due to heat.

#### • 2-stage charging method (for Li-ion batteries only)

2-stage charging method matching the characteristics of weak Li-ion batteries in over discharging.



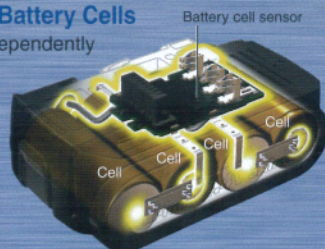
### Exceptional Safety and Reliability

#### Panasonic Solid Solution (PSS) Technology

This proprietary Panasonic technology for dissolving and hardening key battery component substances such as cobalt and nickel delivers dramatically improved safety, exceptional reliability, and high output unique to cobalt chemistry.

#### Individual Monitoring of Battery Cells

Individual battery cells are independently monitored to ensure optimal discharge control, preventing both overcharging and overdischarging.



#### Overdischarge Prevention Sensor

A sensor works to prevent overdischarging (discharge of the battery until voltage falls below a minimum threshold), a disadvantage inherent to lithium ion cells. The system cuts off power to the motor before the battery voltage falls too low and flashes a warning lamp on the tool's control panel to notify the user.

#### Battery Overheat Protection Sensor

The service life of a lithium ion battery can be degraded if the battery becomes too hot during heavy-duty use. A temperature sensor cuts off power to the motor before the battery temperature rises to a harmful level and flashes a warning lamp on the tool's control panel to notify the user.

Flashing lamp indicates overheating battery. Battery is automatically reactivated when the temperature drops.

Flashing lamp indicates low battery.



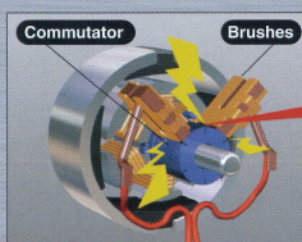
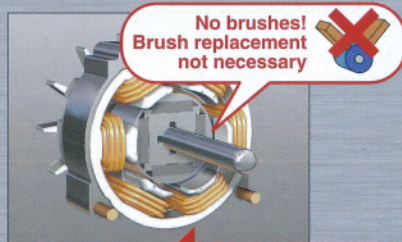


### Long-lasting

The lifespan of the brushless motor is about twice as long as a conventional brush motor\*

#### Brushless motor

By using microcomputer control, and with no brushes and a commutator that affect the lifespan of the motor, a longer lifespan is realized. Does not overheat, decreases the amount of electricity used by approximately 20%.\*

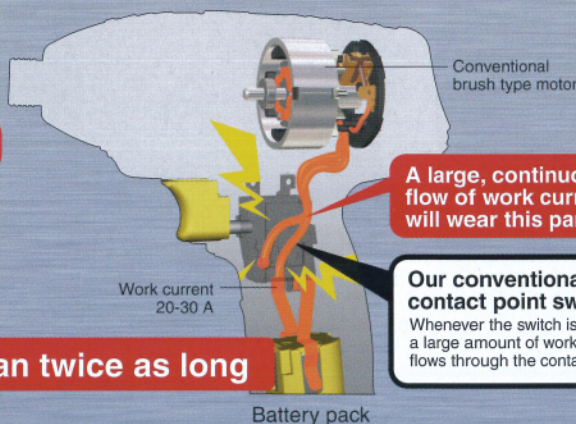
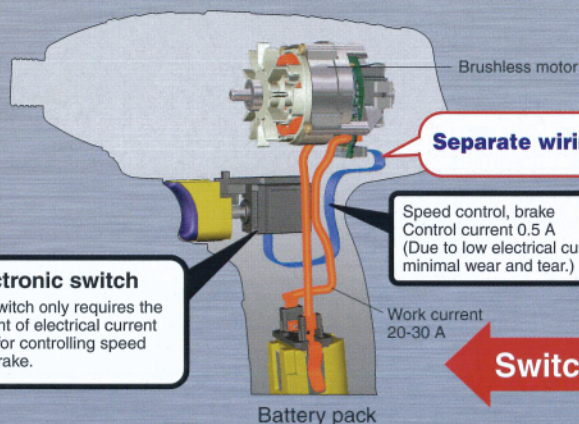


#### Conventional brush type motor

The brushes and commutator eventually wear out through rotation (Generally, even if the brushes are replaced, the initial performance is not recovered.)

**Motor life twice as long**

The lifespan of the electronic switch is about twice as long as a conventional switch\*

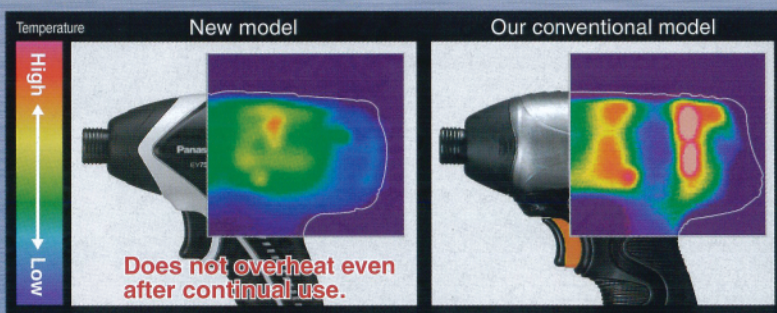


**Switch lifespan twice as long**

**Difficult to overheat**

### Durable for long periods of work!

Due to improvement in motor performance efficiency, it is difficult for the temperature of the main unit to increase even during heavy construction work. Long periods of work can be handled comfortably.



Temperature comparison during continuous bolt fastening  
(When the ambient temperature is 83.3F. Inspected by our company.)

### Work load increase of approximately 20% per pack

The brushless motor delivers 20 % more efficiency resulting in longer runtime per charge for the battery pack.\*

\* Compared to our conventional model



# 21.6V Drill & Driver

Corded tool performance without the cord





- High capacity 3 Ah Li-ion battery
- Compact size (L x H x W): 9-1/8" x 9-27/32" x 2-61/64"
- Light weight (incl. battery): 5.39 lbs.
- High power: 575 in.lbs.
- Variable speed/reversible:  
Low: 100-400 rpm High: 350-1,500rpm
- Clutch Torque (Approx.):  
8.8-61.0 in.lbs. (3.0 in.lbs. per stage, total 18 stage)
- 1/2" Heavy duty keyless chuck
- Charging Time (using EY0L80B charger)\*:  
Usable: 45 minutes Full: 60 minutes
- Electronic Performance Monitoring System
- Electric brake
- LED work light
- With an extra battery pack as standard equipment
- Max. Drill Diameter:  
in Wood: 1-1/2" dia. in Metal: 1/2" dia.
- Max. Screws Driving:  
Wood screw: 3/8" dia.  
Self-drilling screw: 15/64" dia.

## Typical Application

- General construction
- Plumbing
- Finishing carpentry
- Electric installation work

## REVOLITHIUM

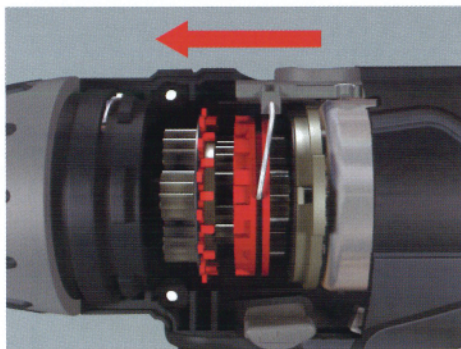
## NEW



## Featuring a new gear system and motor capable of withstanding tough continuous work!

### All-Metal gear system

The use of metal gears for switching between high- and low-speed operation reduces part wear and offers superior durability compared to plastic gears, decreasing the frequency of tool breakdowns.



### Fan cooled ventilated motor

The use of a 21.6 V high-power lithium-ion battery and a motor with a high cooling efficiency helps keep the motor temperature low even during tough work, making the drill well suited to use in repetitive tasks.

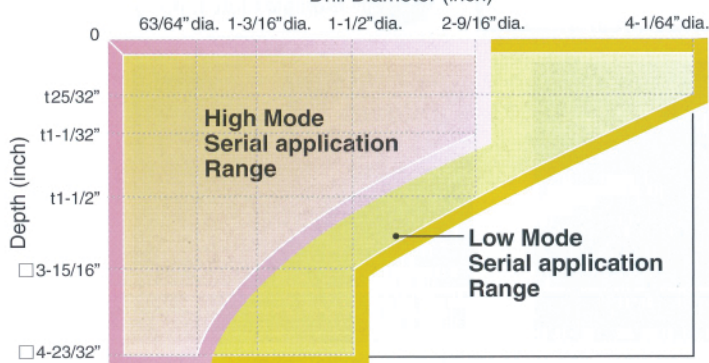


## Expansion of performance range

**Application Capability** (Temperature of circumference: about 68 F, Interval of work: about 10 sec.)

### <Wood hole saw drilling>

Drill Diameter (inch)



White LED light



Well balanced to reduce fatigue



- High capacity 3 Ah Li-ion battery
- Compact size (LxHxW): 7-1/2" x 8-45/64" x 2-3/8"
- Light weight (incl. battery): 3.5 lbs.
- High power: 390 in.lbs.
- Variable speed/reversible:  
Low: 60-400 rpm High: 200-1,350rpm
- Clutch Torque (Approx.):  
4.4-39.0 in.lbs. (2.0 in.lbs. per stage, total 18 stage)
- 1/2" Heavy duty keyless chuck
- Charging Time (using EY0L80B charger)\*:  
Usable: 35 minutes Full: 50 minutes
- Electronic Performance Monitoring System
- Flash light included
- Electric brake
- LED work light
- Belt hook
- With an extra battery pack as standard equipment
- Max. Drill Diameter:  
in Wood: 1/2" dia. in Metal: 1/2" dia.
- Max. Screws Driving:  
Wood screw: 17/64" dia.  
Self-drilling screw: 15/64" dia.

#### Typical Application

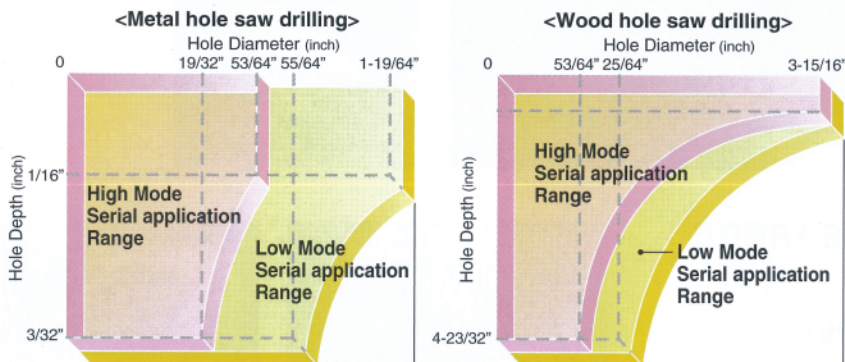
- General construction
- Plumbing
- Finishing carpentry
- Electric installation work

**REVOLITHIUM**



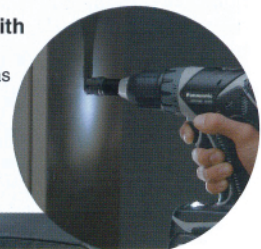
## Expansion of performance range

### Application Capability (Temperature of circumference: about 68 F, Interval of work: about 10 sec.)



### White LED light with condenser lens

Even in the dark, areas for fastening screws can be clearly seen.



Flashing lamp indicates low battery



Screwing into metal sheet



Drilling into wood



Drilling into metal sheet



- 1.5 Ah Li-ion battery
- Compact size (L x H x W):  
10-55/64" x 5-9/32" x 1-13/16" in straight format
- Light weight (incl. battery): 1.1 lbs.
- Powerful:  
Low: 39.0 in.lbs. High: 13.3 in.lbs.
- 2 Speed reversible:  
Low: 200rpm High: 600rpm
- Clutch Torque (Approx.):  
2.7-25.7 in.lbs. (0.9 in.lbs. per stage, total 21 stage)
- 21 Stage clutch with auto shut off
- 1/4" Hex quick change chuck
- Cap for clutch lock out
- Charging Time (using EY0L80B charger)\*:  
Usable: 15 minutes Full: 30 minutes
- LED work light
- With an extra battery pack as standard equipment
- Max. Drill Diameter: in Metal 13/64" dia. (spc t=1/16")
- Max. Screws Driving: Wood screw 5/32" dia. x 1-1/2"

## Typical Application

- Rack/Cabinet installers
- Electricians
- Service engineers
- Production line, assembly work

## REVOLITHIUM



1.5Ah  
Li-ion



**Optional Accessory**  
Clutch lock cover  
EY9X007E

## Compact and Easy to Use

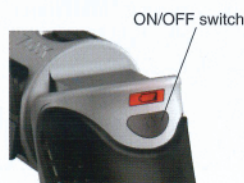
Approximately 10% lighter compared to our EY6225 with about 25/32" shorter grip and it is easier to operate in tight areas.



It's easier to place in tool bags because of the short grip, and it is easy to carry around.



**Anti-slip rubber grip**  
Maintain a sure grip, even when you sweat.



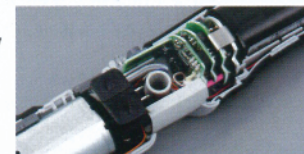
**Flashing lamp**  
indicates low battery



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

## Auto Shut-off Clutch mechanism technology

"Auto Shut-off Clutch" extends battery and clutch life by immediately stopping rotation once selected torque setting is reached



Assembling of products



Installation of AC outlet



Maintenance of facilities



# ***21.6V Hammer Drill & Driver***

High power drilling in masonry, wood, metal.





- High capacity 3 Ah Li-ion battery
- Compact size (LxHxW): 9-5/8" x 10-3/64" x 2-61/64"
- Light weight (incl. battery): 5.61 lbs.
- High performance as regular drill:
  - Max. torque 575 in.lbs.
  - Max. capacity dia. 2-9/16" with low speed
- Variable speed control/reversible:
  - Low 100-400 rpm High 350-1,500 rpm
- Clutch Torque (approx):
  - 8.8-610 in.lbs. (3.0 in.lbs per stage, total 18 stage)
  - (max. torque at drilling position-stage 16)
- High speed masonry drilling:
  - Max. 1,500 rpm/27,000 bpm
- Blows Rate per Minute:
  - Low 1,800-7,200 bpm High 6,300-27,000 bpm
- 1/2" Heavy duty keyless chuck
- Charging Time (using EY0L80B charger)\*:
  - Usable: 45 minutes Full: 60 minutes
- Electronic Performance Monitoring System
- Electric brake
- LED work light
- With an extra battery pack as standard equipment
- Max. Drill Diameter:
  - in Metal dia. 1/2"
  - in Wood dia. 1-1/2"
  - in Mortar/Brick dia. 1/2"

## Typical Application

- Electricians • General construction • Interior installation
- Heating, water & sanitation technicians • Masonry drilling
- Masonry/Wood fastening • Wood/Metal drilling

## REVOLITHIUM

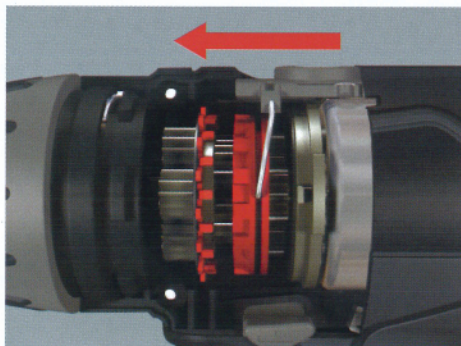
## NEW



## Featuring a new gear system and motor capable of withstanding tough continuous work!

### All-Metal gear system

The use of metal gears for switching between high- and low-speed operation reduces part wear and offers superior durability compared to plastic gears, decreasing the frequency of tool breakdowns.



### Fan cooled ventilated motor

The use of a 21.6 V high-power lithium-ion battery and a motor with a high cooling efficiency helps keep the motor temperature low even during tough work, making the drill well suited to use in repetitive tasks.

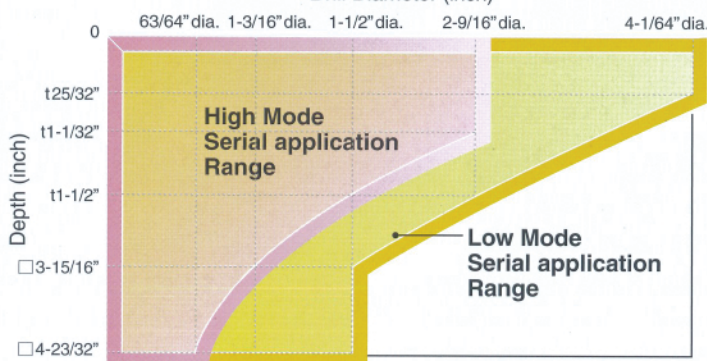


## Expansion of performance range

**Application Capability** (Temperature of circumference: about 68 F, Interval of work: about 10 sec.)

### <Wood hole saw drilling>

Drill Diameter (inch)



White LED light



Well balanced to reduce fatigue



# ***Multi-Impact & Drill Driver***

Everything from screwing to drilling holes is possible with this single tool.

**Drill & Driver mode**

**Impact mode**

**Drill & Driver mode**



## REVOLITHIUM

- High capacity 3Ah Li-ion battery
- Compact size (L x H x W): 7-1/2" x 8-43/64" x 2-13/32"
- Light weight (incl. battery): 3.61 lbs.
- High power:
  - Impact mode: 1,239 in.lbs.
  - Drill & Driver mode: 124 in.lbs.
- Variable speed/Reversible:
  - Impact mode: 0 - 2,350 rpm
  - Drill & Driver mode: 0 - 700 rpm
- Impact/min.:
  - 0 - 3,300 ipm in Impact Mode
- Multi function:
  - Impact mode: Heavy duty fastening with less kick back
  - Drill & Driver mode: Drilling and fastening with clutch function
- 1/4" hex quick connect chuck
- Charging Time (using EY0L80B charger)\*:
  - Usable: 35 minutes Full: 50 minutes
- Electronic performance monitoring system
- Flash light included
- LED work light
- Belt hook
- With an extra battery pack as standard equipment

### Typical Application

- General construction
- Plumbing
- Finishing carpenter
- Electric installation work

### Optional Accessory

Drill chuck (3/8")  
adaptor for impact  
driver EY9HX409E



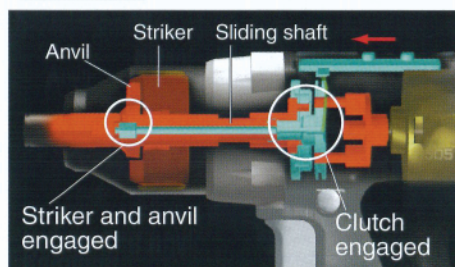
## Multi Function Technology

Dual mode switching design in a single unit "Drill & Driver Mode" and "Impact Mode"

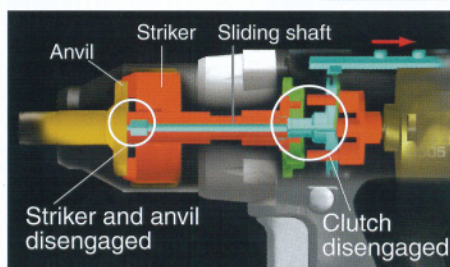


**Drill & Driver Mode**

**Impact Mode**



Sliding shaft engages Striker and Anvil.  
The clutch mechanism is engaged.



Striker and Anvil are disengaged. Striker hits  
Anvil generating high power with less kick back.



**White LED light with  
condenser lens**

Even in the dark, areas for  
fastening screws can be clearly  
seen.

### Drill & Driver Mode

**DRILLING**



• Wood • Metal

**DRIVING**



• Wood Screw • Metal Screw



Wood / Metal drill bit

(+)(-) head



Torx head

### Impact Mode

**DRIVING**



• Wood Screw • Metal Screw  
• Self-Drilling Screw  
• Plastic Anchor

(+)(-) head



Torx head

**FASTENING**



• Coach Screw • Bolt & Nut  
• Plastic Anchor  
• Self tapping masonry screw

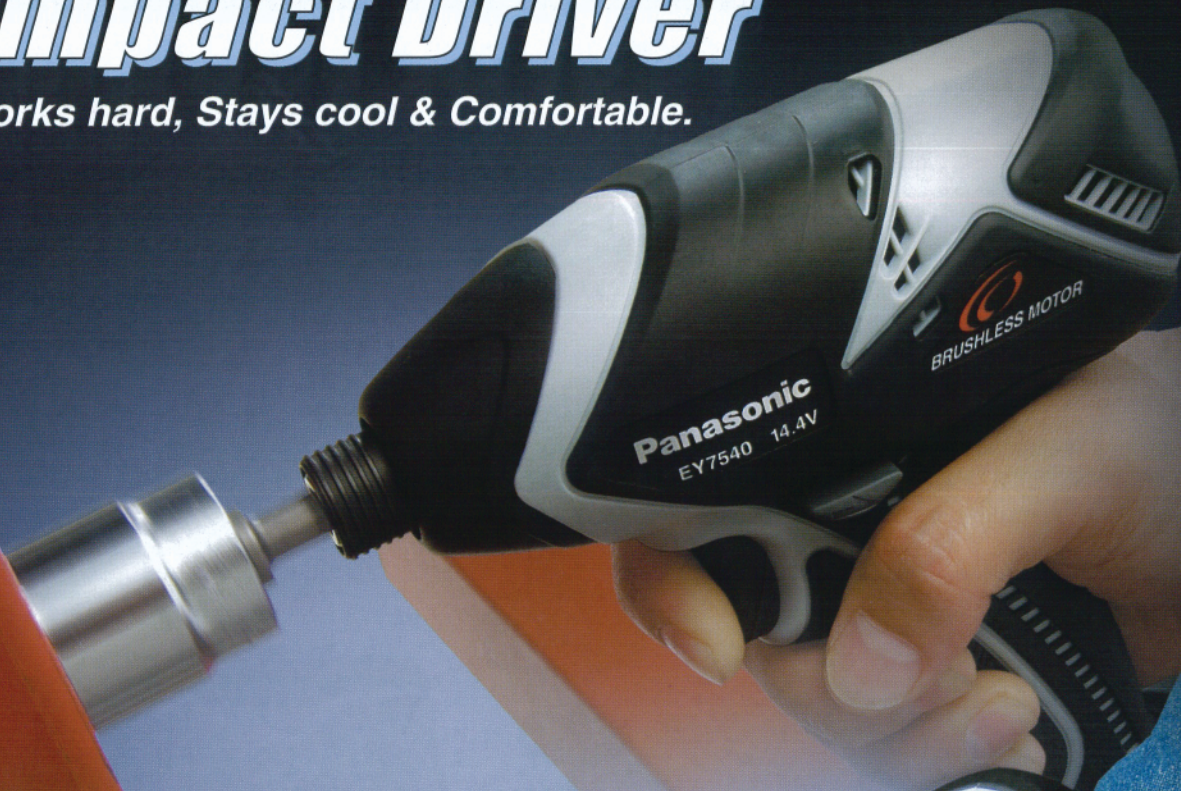


Impact socket



# ***Impact Driver***

*Works hard, Stays cool & Comfortable.*



# ***Impact Wrench***

*Compatible with standard M16 bolts*





# High Power, Compact Size, Comfortable to Use

*Side hammering  
generates high power  
and reduces kick back.  
This allows you to expand  
your working application.*

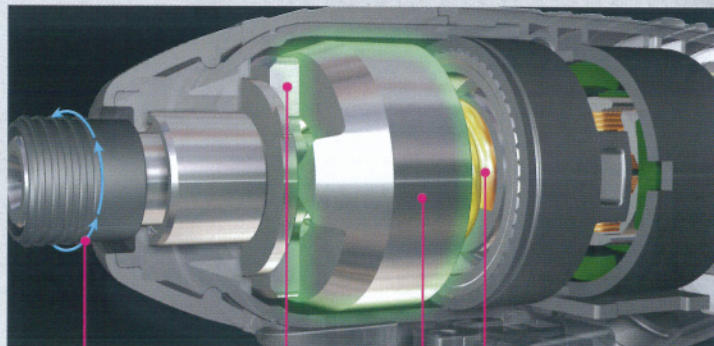
Extended work time for **screw driving** with less fatigue

Expanded **work areas** to include overhead applications and tight spots

Expansion of applications to do a wider range of **fastening** work

## This is not a drill/driver

An impact driver behaves just like a driver until the torque needed to drive the fastener exceeds the torque of the motor. At this point, the large compression spring **1** causes the hammer **2** to strike the anvil sideways **3**, adding rotational force **4** to drive the fastener.



- 4** Rotational force
- 3** Anvil
- 1** Compression spring
- 2** Hammer

screw driving

work areas

fastening



- High capacity 3 Ah Li-ion battery
- Compact size (L x H x W): 6-1/4" x 8-3/4" x 2-3/8"
- Light weight (incl. battery): 3.1 lbs.
- High power: 1,330 in.lbs.
- Variable speed/reversible
- Brushless motor and electronic switch
- 3 Speeds (High/Medium/Low)
- 1/4" Hex quick connect chuck
- Charging Time (using EY0L80B charger)\*:  
Usable: 35 minutes Full: 50 minutes
- Electronic performance monitoring system
- Flash light included
- Electric brake
- LED work light
- Belt hook
- With an extra battery pack as standard equipment

REVOLITHIUM



## Typical Application

- Air conditioning installation
- Automotive repair and maintenance
- Assemble and disassemble scaffolding
- Long wood screw/lag screw fastening

	High/Hard Mode	Medium Mode	Low/Soft Mode
Max. Torque	1,330 in.lbs.*1	665 in.lbs.*2	240 in.lbs.*3
Speed at No Load	0-2,300 rpm	0-1,400 rpm	0-1,000 rpm
Impact/min.	0-3,000 ipm	0-2,800 ipm	0-2,000 ipm

\*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.

## High Power 1,330 in.lbs.

High-power driver easily tightens M16 standard bolts.

- Maximum tightening torque



## Approx. 15% faster at tightening screws

More power makes short work of even tough jobs. Tighten long wood screws and large-diameter bolts quickly with the new EY7540.

- Screw tightening speed (Wood screw [Douglas fir, 1/4" X 4-23/32"])



White LED light with condenser lens

Even in the dark, areas for fastening screws can be clearly seen.



Flashing lamp indicates low battery

Three levels of impact power



## Adjustable torque levels for a clean finish!

When the tightening torque level is too high, small screws are tightened faster but screw heads can be stripped off. In this case, select the torque power to "High", "Medium" or "Low". Power can be selected depending on the work and materials.



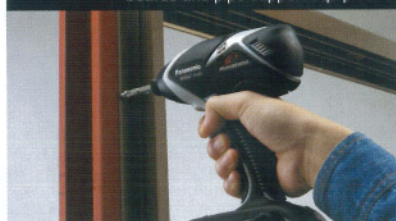
**High/Hard**

For fastening large diameter nuts and bolts, and long screws



**Medium**

For fastening tech screws for boards and pipe support equipment



**Low/Soft**

To complete fastening screws in plaster boards





- High capacity 3 Ah Li-ion battery
- Compact size (L x H x W): 6-9/16" x 8-3/4" x 2-3/8"
- Light weight (incl. battery): 3.3 lbs.
- High power: 1,640 in.lbs.
- Variable speed/reversible
- Brushless motor and electronic switch
- 3 Speeds (High/Medium/Low)
- 1/2" Square chuck
- Charging Time (using EY0L80B charger)\*:  
Usable: 35 minutes Full: 50 minutes
- Electronic performance monitoring system
- Flash light included
- Electric brake
- LED work light
- Belt hook
- With an extra battery pack as standard equipment

## Typical Application

- Bolt + Nut fastening
- Assemble and disassemble scaffolding
- Long wood screw/lag screw fastening

	High/Hard Mode	Medium Mode	Low/Soft Mode
Max. Torque	1,640 in.lbs.*1	750 in.lbs.*2	440 in.lbs.*3
Speed at No Load	0-2,300 rpm	0-1,400 rpm	0-1,000 rpm
Impact/min.	0-3,000 ipm	0-2,800 ipm	0-2,000 ipm

\*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.

## Standard Accessory

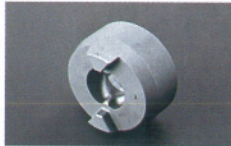
1/4" hex quick change chuck  
EY9HX110E



## High power 1,640 in.lbs. (Forward and Reverse Torque)

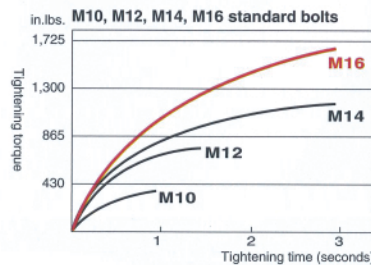
### Compatible with standard M16 bolts

By using a large hammer, hitting power is dramatically increased.



M16 Standard bolts can be securely fastened in approximately 3 seconds.

\*Appropriate fastening power varies depending on the quality or size of the screws and the material in which the bolts are screwed into. Use the appropriate setting for the bolts during work. The graph on the left is reference values only. (Values change depending on tightening conditions).



### White LED light with condenser lens

Even in the dark, areas for fastening screws can be clearly seen.



Flashing lamp indicates low battery

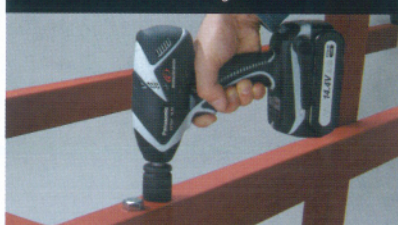
### Three levels of impact power



Recommended bolt size:

### High/Hard M10~M16

For constructing iron frames



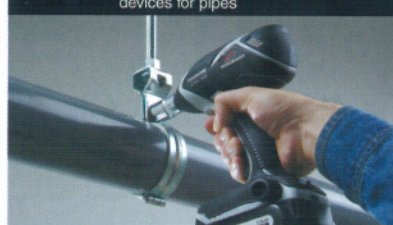
## Adjustable torque levels for a clean finish!

When the tightening torque level is too high, small screws are tightened faster but screw heads can be stripped off. In this case, select the torque power to "High", "Medium" or "Low". Power can be selected depending on the work and materials.

Recommended bolt size:

### Medium M6~M8

For the installation of support devices for pipes



Recommended bolt size:

### Low/Soft M6

For assembling racks and fences





# ***Rotary Hammer Drill & Driver***

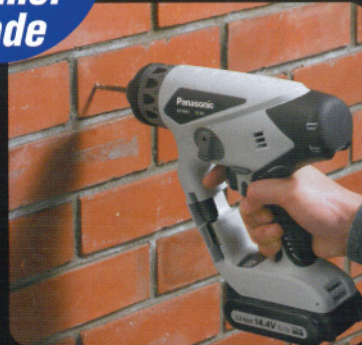
*Drilling concrete and installing anchors can be done with one tool.*



*Change modes with one switch*



Regardless of the clutch setting level during <Drilling mode>, the Rotary Hammer drill can be used immediately by only switching to the <Hammer mode>.





- High capacity 3Ah Li-ion battery pack
- Compact size (L x H x W): 9-51/64" x 10-3/64" x 2-33/64"
- Light weight (incl. battery): 5.1 lbs.
- Blow Rate per Minute (Rotation with hammering): 0-4,000 bpm
- Speed at No load (Rotation only): 0-1,000 rpm
- Clutch torque (approx): 13 in.lbs.- 48.7 in.lbs.  
(8.8 in.lbs. per stage, total 5 stage)
- Complete concrete anchor installation by one tool
- High speed concrete drilling by air type (Cup piston method) hammer
- One hand operation
- Dual function rotary hammer or drill & driver
- Hammering force: 21.6 kN
- Slow start switch for accurate drilling with a clean finish
- Bit adapter (EY9HX403E) as standard equipment
- 1/2" SDS-plus bit system
- Charging Time (using EY0L80B charger)\*:  
Usable: 35 minutes Full: 50 minutes
- Electronic performance monitoring system
- LED work light
- With an extra battery pack as standard equipment

## Typical Application

- Lighting equipment installation
- Conduit pipe installation
- Switch box installation

## REVOLITHIUM



## Drilling mode

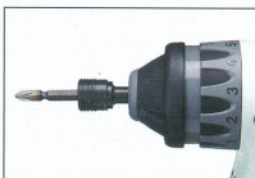
Hex shank type bit



Bit adaptor (standard)  
SDS-Plus shank compatible EY9HX403E



**Max. Wood Screws dia. 11/64"**  
**Max. Drill Diameter in Metal dia. 1/2"**  
**Metal Holesaw dia. 53/64"**  
**in Wood dia. 45/64"**



### 5 torque levels available

The torque level can be adjusted according to the hardness of the material or the type of material being drilled.  
<Drilling mode>



## Drilling can be done with one hand only!

The front and rear of the tool are well balanced for easy up, down or sideways movements.



Easy to hold, resists fatigue!



## Hammer mode



**Drilling Capacity in concrete**  
SDS dia. 1/8" x dia. 5/8"  
(dia. 15/32" - dia. 5/8")\*

\*For work that can be completed with 1 battery pack.

## Air-Coupling Hammer Mechanism Quick hole drilling in hard concrete!

Large cooling fan



### Dust protection switch

Covered in rubber to protect against dust, which may cause problems to the switch.

### Air System Hammer (Cup Piston Method)

Power is effectively output by using compressed air to power the piston.

## User Friendly Features



Shoulder strap



White LED light



Tool case



# ***SDS-plus Rotary Hammer***

*Powerful, light and tough for continuous use!*

## ***Easy to hold, resists fatigue!***

Features a two-finger switch to allow your fingers a secure hold, and a slimmer grip for comfort. Easy to hold even during difficult work, resists slipping in your hand and reduces fatigue.



## **Two Speed Selection**



For hanging objects



**Ø5~Ø20**  
Hammer Hard  
**T + H**  
**23.6kN**  
(2,400kgf)

**Ø3.2~Ø5**  
Hammer Soft  
**T + S**  
**12.7kN**  
(1,300kgf)



For drilling saddle joints for electrical conduit



- High capacity 3Ah Li-ion battery
- Compact size (LxHxW): 12-9/16" x 8-1/64" x 3-5/64"
- Light weight (incl. battery): 8.4 lbs.
- Two speed hammering selection:  
High: 0 - 4,500 bpm Low: 0 - 2,800 bpm
- Two speed drilling selection  
variable speed/reversible:  
High: 0 - 920 rpm Low: 0 - 500 rpm
- Dual function: Rotary hammer or drill
- Slow start two-finger switch for accurate drilling with a clean finish
- Ergonomic soft rubber grip for stress reduction
- Dust collection cup as standard equipment
- 3/4" SDS-plus bit system
- Hammering force: 23.6 kN
- 360° auxiliary side handle with builtin depth gauge
- Charging Time (using EY9L80B charger)\*:  
Usable: 55 minutes Full: 70 minutes
- Electronic performance monitoring system
- LED work light
- With an extra battery pack as standard equipment

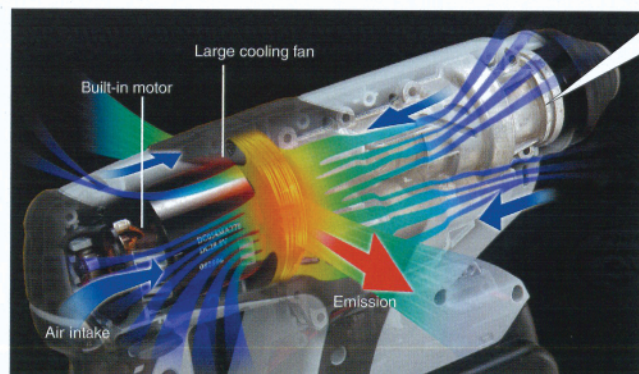
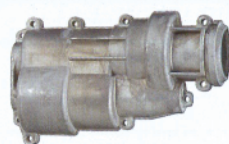
**Typical Application**

- Concrete Drilling

**REVOLITHIUM**

**Excellent cooling/dust-proof design supports continuous use**

Rigorous continuous use is made possible by air flowing through the space between the gear case and the main unit housing, which similar to a radiator, cools the entire gear case containing the hammer and gears which become hot from use, large cooling fan drivers exhaust system to prevent dust buildup.


**Magnesium metal gear case**


The gear case is made from magnesium which is light and excellent for dispersing heat. The hammer and gears are covered to prevent fine particles of dust from entering the tool and grease from leaking.

**Dust-proof switch**


The dust-proof switch prevents fine particles of dust from entering the tool and causing problems with the motor.

**Serial drilling of 180 holes (1/2" in diameter)!**

Cooling and dust proof performance have been improved and this serial drilling display of 180 holes (dia. 1/2" x 1-9/16") demonstrates the toughness of the hammer to handle rigorous continuous work conditions (equivalent to 3 battery packs).


**Carefully designed for ease of use. Supported functions.**


**Standard Accessory**  
Dust collection cup  
**EY9X004E**



**White LED light**



**For light chiseling**

**Optional Accessories**

SDS-plus  
Chiseling Attachment  
**EY9HX402E**  
For light chiseling



SDS-plus  
Drill Chuck  
**EY9HX400E**  
For 1/16" dia. - 1/2" dia. bit


**Powerful and Tough**

Utilizing a new motor, magnesium metal gear case and a computer-designed air flow system, this tool achieves continuous concrete drilling up to 9/16" x 3-1/2" depth.

**Drill Diameter**

	1/8" dia.	3/16" dia.	9/16" dia.	25/32" dia.
Depth	Suitable for concrete soft blow hammering mode		Suitable for continuous drilling for hard blow hammering mode*	
1-9/16"				
3-1/2"			Maximum drilling range for hard blow hammering mode**	
4-5/16"				

\*Continuous drilling range: Range which can drill continuously (room temperature 68 F, drilling at 10 seconds intervals)

\*\*Hard blow drilling range: Range which you can drill (It is not recommended for continuous drilling over 9/16" dia. x 3-1/2" depth)



# ***Multi Purpose Metal Cutter***

*Cutting various materials are possible with one tool.*





- High capacity 3Ah Li-ion battery
- Compact size (L x H x W): 12-61/64" x 8-63/64" x 6-19/64"
- Light weight (incl. battery): 5.70 lbs.
- Rotating Speed: 3,600 rpm
- Blade Size: Outer diameter 5-3/8" Arbor size 13/16"
- Cutting Depth: Max. 1-13/16"
- Electric brake
- Cutting edge is easily seen through transparent window
- In-line ergonomic design for comfortable cutting
- Safety switch lock lever
- Shaft lock button for easy blade replacement
- Charging Time (using EY9L80B charger)\*:  
Usable: 35 minutes Full: 50 minutes
- Electronic performance monitoring system
- LED work light
- With an extra battery pack as standard equipment

## REVOLITHIUM

## NEW



### Typical Application

- Metal construction
- Electric installation work
- Plumbing
- General construction

### Metal Cutting EY9PM13C Standard



- C-6 tungsten carbide-tipped blade for metal cutting
- 30 teeth
- Kerf (in.): 1/16" (.055)

### Thin Metal Cutting EY9PM13D Option



- C-6 tungsten carbide-tipped blade for thin metal cutting
- 50 teeth
- Kerf (in.): 1/16" (.055)

### Wood Cutting EY9PW13A Option



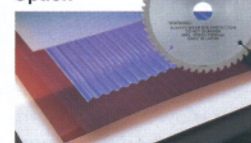
- C-6 tungsten carbide-tipped blade for wood cutting
- 30 teeth
- Kerf (in.): 3/64" (.047)

### Thin Wood Cutting EY9PW13B Option



- C-6 tungsten carbide-tipped blade for thin wood cutting
- 48 teeth
- Kerf (in.): 3/64" (.047)

### Plastic Cutting EY9PP13B Option



- C-6 tungsten carbide-tipped blade for plastic cutting
- 52 teeth
- Kerf (in.): 3/64" (.047)

## 3-way Dust Control



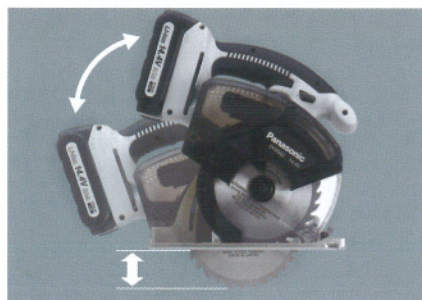
1 Use with vacuum cleaner to collect dust



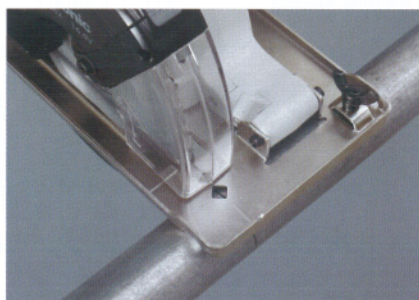
2 Collect dust in the dust case



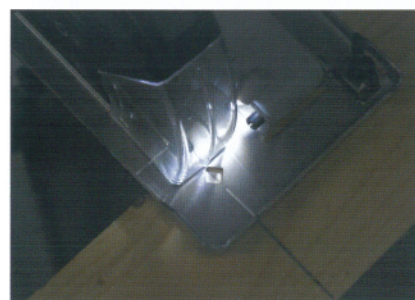
3 Eject dust to the rear of the machine



Cutting depth adjustment



Cutting edge is easily seen through window



White LED light



# Jigsaw

Easy handling for comfortable cutting



## EY4541X Cordless Jigsaw

14.4V

- High capacity 3 Ah Li-ion battery
- Compact size (LxHxW): 10-5/8" x 6-31/32" x 2-31/64"
- Light weight: 4.8 lbs.
- Low handle position: height 6-31/32"
- Strokes per minute: 0-2,400/min
- Length of stroke: 25/32"
- Cutting performance: in wood dia.9/16", in mild steel dia.15/64" in aluminium dia.3/8"
- Low vibration: Counter balance mechanism
- Ergonomic design for comfortable cutting
- 4 stage pendulum action
- Cutting angle adjustment (0°-45°)
- Air blow function keeps cutting line clear
- Charging Time (using EY0L80B charger)\*: Usable: 35 minutes Full: 50 minutes
- Electronic Performance Monitoring System
- LED work light
- Max.thickness of mounting blade: 0.05"

### Typical Application

- General construction • Carpentry

**EY4541X:** Battery pack and battery charger are not included.

REVOLITHIUM

NEW



3Ah Li-ion



Use with vacuum cleaner to collect dust

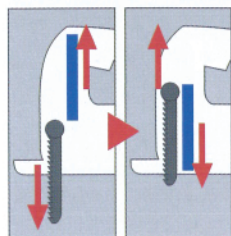


Cutting Circles



Cutting Angle adjustment (0°-45°)

## Low-vibration design with a low center of gravity for stable cutting work



Counter Balance Mechanism

The EY4541 makes your work easier with a low center of gravity that allows for easy handling and damping of vibrations that occur during cutting.

6-31/32"



Dust Cover

Reduces the amount of dust ejected onto your face and into the surrounding area when working in high locations or using the tool above your head

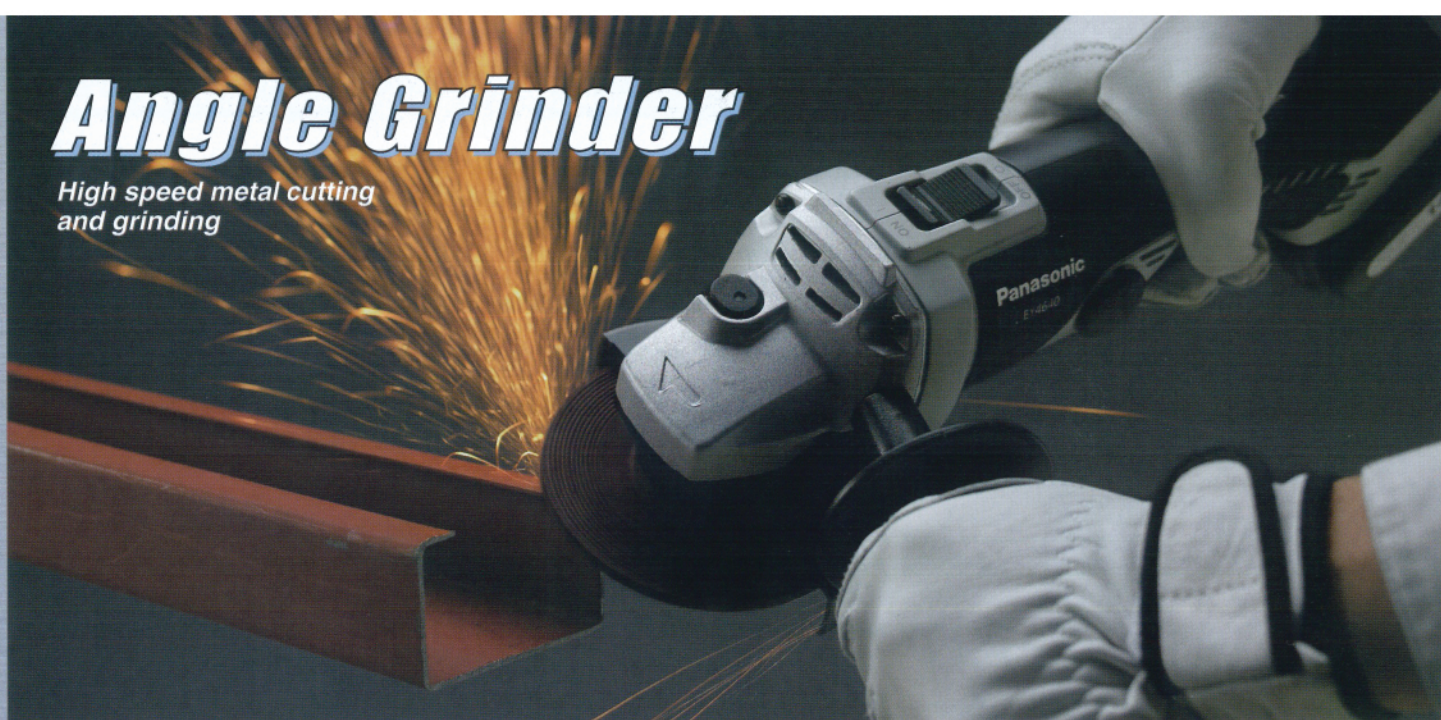


White LED light



# Angle Grinder

High speed metal cutting  
and grinding



## EY4640X Cordless Angle Grinder

14.4V

- High capacity 3 Ah Li-ion battery
- Compact size (LxHxW): 14-7/32" x 4-3/32" x 2-61/64"
- Light weight (incl. battery): 4.8 lbs.
- Speed at No Load: 9,500 rpm
- Wheel diameter: 4-1/2"
- Slim grip
- On lock warning lamp function
- Replaceable carbon brushes
- Charging Time (using EY0L80B charger)\*:  
Usable: 35 minutes Full: 50 minutes
- Electronic Performance Monitoring System

### Typical Application

- Metal construction
- Electric installation work
- Plumbing
- General construction

REVOLITHIUM

NEW



### EY4640X:

Battery pack and battery charger are not included.

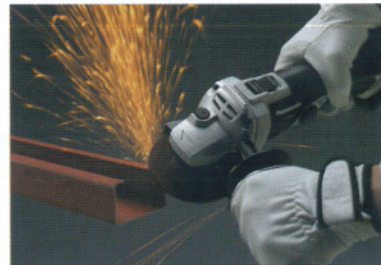
\*Grinding Disc is not included



Reinforcing bar cutting



Metal Cutting

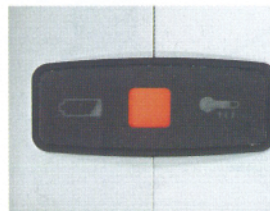


Metal Grinding



### Slim grip design

Slim grip is designed so that you can hold it securely with five fingers, reducing fatigue and making the grinder easy to use both above your head and facing to the side.



### Indicator lamp for on lock warning lamp function

The grinder will not start when the switch is at the ON position (switch lever at ON), even when the battery pack is inserted. The warning lamp will flash at this time to indicate that the on lock start prevention function has operated.



## EY3740B Cordless Flashlight

14.4V



- Brightness of approx. 4,000 Lux
- Adjustable head angle (Four steps)
- Low battery indication
- Bulb: Xenon 0.55A
- Size (LxHxW)(excluding battery): 10-63/64" x 4-7/8" x 3-35/64"
- Weight (excluding battery): 0.68 lbs
- Shoulder strap
- Accepts Panasonic 14.4V Li-ion battery pack

### Acceptable Battery Packs and Hours of Use

- With 14.4V "type **L**" battery pack EY9L40B: Approx. 3.5 hours



Includes a battery cutoff indicator!



Equipped with 4 angles to perfectly light your work area



\*Battery pack is not included

## EY0L80B Charger for Li-ion battery, Ni-MH battery & Ni-Cd battery



- Accepts Panasonic's **7.2V-28.8V Battery Packs** (See below for details)
- Equipped with a lamp system that indicates the status of the 6 charging functions at a glance

	Type of Battery									
	LI-ion		NI-MH				NI-Cd			
	3Ah		3.5Ah(G)	3Ah(N)			2Ah	1.7Ah(E)	1.2Ah(C)	1.2Ah(D)
28.8 V	EY9L80B									
24 V				EY9210B			EY9117B/9116B			
21.6 V	EY9L60B									
18 V			EY9251B							
15.6 V				EY9231B	EY9230B		EY9136B			
14.4 V		EY9L40B								
12 V			EY9201B		EY9200B		EY9106B	EY9101B	EY9006B	EY9001B
9.6 V								EY9182B/9180B	EY9086B	EY9080B
7.2 V									EY9086B	
Charging Time	55 min.*+70 min.	45 min.*+60 min.	30 min.*+50 min.	65 min.	55 min.	90 min.	45 min.	60 min.	30 min.	25 min.
										20 min.

\*Usable Charge (80%)

## EY0L10B Charger for Li-ion battery, Ni-MH battery & Ni-Cd battery



- Accepts Panasonic's **2.4V-3.6V Battery Packs** (See below for details)

	Type of Battery		
	LI-ion		NI-Cd
	1.5Ah	1.2Ah(C)	1.2Ah(D)
3.6 V	EY9L10B	EY9025B	
2.4 V			EY9021B
Charging Time	15 min.*+30 min.	15 min.	15 min.

\*Usable Charge (80%)



**EYC142B Lithium Combo Kit****14.4V**

- 1 x EY7440 (Body) : 14.4V Drill & Driver
- 1 x EY7540 (Body) : 14.4V Impact Driver
- 1 x EY3740 (Body) : 14.4V Flashlight
- 2 x EY9L40 : 14.4V 3Ah Li-ion battery pack
- 1 x EY0L80 : Charger

**EYC143B Lithium Combo Kit****14.4V**

- 1 x EY7440 (Body) : 14.4V Drill & Driver
- 1 x EY7541 (Body) : 14.4V Impact Wrench
- 1 x EY3740 (Body) : 14.4V Flashlight
- 2 x EY9L40 : 14.4V 3Ah Li-ion battery pack
- 1 x EY0L80 : Charger

**EYC146B Lithium Combo Kit****14.4V**

- 1 x EY7440 (Body) : 14.4V Drill & Driver
- 1 x EY4542 (Body) : 14.4V Multi Purpose Cutter
- 1 x EY3740 (Body) : 14.4V Flashlight
- 2 x EY9L40 : 14.4V 3Ah Li-ion battery pack
- 1 x EY0L80 : Charger







## Battery Technology

### High Capacity 3.5Ah Nickel-Metal Hydride Battery Pack Compact Size and Environmentally Friendly

With unique technology which employs a separator and an electrode in a cell, Panasonic has developed 50% more capacity compared to the same size previous 2Ah Ni-Cd Battery. And without cadmium, this battery pack is environmentally friendly.



#### Feature of 3.5Ah Ni-MH Battery (vs. 2Ah Ni-Cd Battery)

- 1) Same battery pack size
- 2) 75% more capacity with no change in the diameter of the battery cell
- 3) Environmentally friendly



# Charging Technology

## Important Facts about Ni-MH Battery Charging System

Panasonic brings a long history and vast experience of inverter charger technology to its Ni-MH battery charging system. While developing this technology, Panasonic's aim was to achieve two goals:

**Minimize charging time for Ni-MH 3.5Ah high capacity battery pack.**  
**Maximize protection for the battery pack, thus, insuring long battery life.**

1. Four times more temperature sensitive than previous Ni-Cd only system

→ No damage due to sudden temperature increase

2. Cools Ni-MH Battery Pack while quick charging

Panasonic Ni-MH Battery has open slit on the battery pack for emission of heat.



3. Two way charging program-Double capacity CPU

→ Charging System For Ni-Cd & Ni-MH

4. Inverter technology of charger

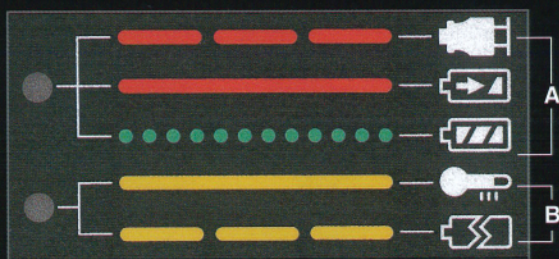
→ High power output of charger

### Longer Life Battery Pack (1,200 charge/discharge cycles)

The Ni-MH battery pack (3.5Ah  pack) has a similar life cycle to the Ni-Cd battery pack (2Ah  pack) in actual usage.

### Self Diagnostic Universal Inverter Charger




1. The charging unit accepts 7.2V to 24V compatible Panasonic Ni-MH & Ni-Cd battery packs.
2. For the amperage, it accepts up to 3.5 Ah battery pack.
3. Equipped with a lamp system that indicates the status of the 6 charging functions at a glance.





#### Emergency charging function

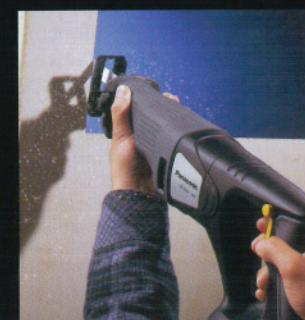
Our inverter charger features an "Emergency Charge". After charging the battery for only five minutes, the battery pack is charged to 15% of its capacity.

#### A: Charging Lamp

-  Ready to charge
-  Charging
-  Charging completed

#### B: Standby Lamp

-  Standby  
Battery is too hot to be charged. Charging will begin when temperature of battery pack drops.
-  Charging not possible  
Clogged with dust, or malfunction of the battery pack.





# Drill & Driver

Powerful Drilling



## EY6450GQKW Cordless 1/2" Drill & Driver Kit

18V

- High capacity 3.5Ah Ni-MH battery
- Compact size (LxHxW): 9-13/16" x 9-9/16" x 2-1/2"
- Light weight (incl. battery): 5.9 lbs.
- High power: 442 in.lbs.
- Variable speed control/reversible: Low 70-430 rpm High 240-1,500 rpm
- Clutch Torque (approx): 18-106 in.lbs. (6.2 in.lbs. per stage, total 15 stage) (max.torque at drilling position-stage 16)
- 1/2" heavy-duty keyless chuck
- 2-speed gear box
- Spindle Thread: 1/2"-20
- Charging Time (using EY0110B charger)\*: 65 minutes
- New ergonomic balanced tool body
- Electric brake
- Sure grip support handle
- With an extra battery pack as standard equipment
- Max.Drill Diameter: in wood dia.2"
- Max.Driving Screw Size: in wood screw dia.3/16" x 2-1/2"

### Typical Application

- General construction
- Plumbing
- Finishing carpenter
- Electric installation work



\*Charging times are approximate and may be slightly longer depending on conditions.



**EY6432GQKW Cordless 1/2" Drill & Driver Kit****15.6V**

- High capacity 3.5Ah Ni-MH battery
- Compact size (LxHxW): 8-3/16" x 9" x 2-9/32"
- Light weight (incl. battery): 5.0 lbs.
- High power: 390 in.lbs.
- Variable speed control/reversible: Low 65-450 rpm High 200-1,450 rpm
- Clutch Torque (approx): 9-61 in.lbs. (3.0 in.lbs. per stage, total 18 stage)  
(max.torque at drilling position-stage 19)
- 1/2" heavy-duty keyless chuck
- 2-speed gear box
- Spindle Thread: 3/8"-24
- Charging Time (using EY0110B charger)\*: 55 minutes
- Electric brake
- New ergonomic design
- With an extra battery pack as standard equipment

**Typical Application**

- General construction
- Plumbing
- Finishing carpenter
- Electric installation work

**3.5Ah  
Ni-MH****EY6432NQKW Cordless 1/2" Drill & Driver Kit****15.6V**

- High capacity 3Ah Ni-MH battery
- Compact size (LxHxW): 8-3/16" x 9" x 2-9/32"
- Light weight (incl. battery): 4.5 lbs.
- High power: 390 in.lbs.
- Variable speed control/reversible: Low 65-450 rpm High 200-1,450 rpm
- Clutch Torque (approx): 9-61 in.lbs. (3.0 in.lbs. per stage, total 18 stage)  
(max.torque at drilling position-stage 19)
- 1/2" heavy-duty keyless chuck
- 2-speed gear box
- Spindle Thread: 3/8"-24
- Charging Time (using EY0110B charger)\*: 45 minutes
- Electric brake
- New ergonomic design
- With an extra battery pack as standard equipment

**Typical Application**

- General construction
- Plumbing
- Finishing carpenter
- Electric installation work

**3Ah  
Ni-MH****EY6432FQKW Cordless 1/2" Drill & Driver Kit****15.6V**

- Standard capacity 2Ah Ni-Cd battery
- Compact size (LxHxW): 8-3/16" x 9" x 2-9/32"
- Light weight (incl. battery): 4.4 lbs.
- High power: 390 in.lbs.
- Variable speed control/reversible: Low 65-450 rpm High 200-1,450 rpm
- Clutch Torque (approx): 9-61 in.lbs. (3.0 in.lbs. per stage, total 18 stage)  
(max.torque at drilling position-stage 19)
- 1/2" heavy-duty keyless chuck
- 2-speed gear box
- Spindle Thread: 3/8"-24
- Charging Time (using EY0110B charger)\*: 30 minutes
- Electric brake
- New ergonomic design
- With an extra battery pack as standard equipment

**Typical Application**

- General construction
- Plumbing
- Finishing carpenter
- Electric installation work

**2Ah  
Ni-Cd**



## EY6409GQKW Cordless 1/2" Drill & Driver Kit

12V

- High capacity 3.5Ah Ni-MH battery
- Compact size (LxHxW): 8-3/16" x 8-31/32" x 2-9/32"
- Light weight (incl. battery): 4.4 lbs.
- High power: 293 in.lbs.
- Variable speed control/reversible: Low 50-400 rpm High 180-1,300 rpm
- Clutch Torque (approx): 9-50 in.lbs. (2.4 in.lbs. per stage, total 18 stage) (max.torque at drilling position-stage 19)
- 1/2" heavy-duty keyless chuck
- 2-speed gear box
- Spindle Thread: 3/8"-24
- Charging Time (using EY0110B charger)\*: 55 minutes
- Electric brake
- New ergonomic design
- With an extra battery pack as standard equipment

### Typical Application

- General construction
- Plumbing
- Finishing carpenter
- Electric installation work



## EY6409NQKW Cordless 1/2" Drill & Driver Kit

12V

- High capacity 3Ah Ni-MH battery
- Compact size (LxHxW): 8-3/16" x 8-31/32" x 2-9/32"
- Light weight (incl. battery): 4.2 lbs.
- High power: 293 in.lbs.
- Variable speed control/reversible: Low 50-400 rpm High 180-1,300 rpm
- Clutch Torque (approx): 9-50 in.lbs. (2.4 in.lbs. per stage, total 18 stage) (max.torque at drilling position-stage 19)
- 1/2" heavy-duty keyless chuck
- 2-speed gear box
- Spindle Thread: 3/8"-24
- Charging Time (using EY0110B charger)\*: 45 minutes
- Electric brake
- New ergonomic design
- With an extra battery pack as standard equipment

### Typical Application

- General construction
- Plumbing
- Finishing carpenter
- Electric installation work



## EY6405FQKW Cordless 3/8" Drill & Driver Kit

12V

- Standard capacity 2Ah Ni-Cd battery
- Compact size (LxHxW): 7-15/16" x 8-31/32" x 2-9/32"
- Light weight (incl. battery): 3.8 lbs.
- High power: 293 in.lbs.
- Variable speed control/reversible: Low 50-400 rpm High 180-1,300 rpm
- Clutch Torque (approx): 9-50 in.lbs. (2.4 in.lbs. per stage, total 18 stage) (max.torque at drilling position-stage 19)
- 3/8" heavy-duty keyless chuck
- 2-speed gear box
- Spindle Thread: 3/8"-24
- Charging Time (using EY0110B charger)\*: 30 minutes
- Electric brake
- New ergonomic design
- With an extra battery pack as standard equipment

### Typical Application

- General construction
- Plumbing
- Finishing carpenter
- Electric installation work





## EY6225CQ Cordless Drill & Driver Kit

3.6V

- Compact size (LxHxW): 11-11/16" x 6-1/8" x 1-9/16" in straight format
- Light weight (incl. battery): 1.15 lbs.
- Max. Torque: Low 39 in.lbs. High 13 in.lbs.
- Speed at No Load: Low 200 rpm High 600 rpm
- Clutch Torque/Auto Shut-off Clutch: 21 stages/2.6-26 in.lbs.
- "Auto Shut-off Clutch" extends battery and clutch life by immediately stopping rotation once selected torque setting is reached
- 1/4" hex quick connect chuck
- Easily converts from straight to pistol form
- Charging Time (using EY0225B charger)\*: 15 minutes
- EY6225C (without battery charger) is also available

### Typical Application

- Rack/Cabinet Installation
- Electricians
- Service engineers
- Production line, assembly work



## EY6220B Cordless Drill & Driver Kit

2.4V

- Compact size (LxHxW): 9-3/8" x 5" x 1-7/16" in straight format
- Light weight (incl. battery): 0.9 lbs.
- Max. Torque: Low 26 in.lbs. High 13 in.lbs.
- Speed at No Load: Low 200 rpm High 400 rpm
- Clutch Torque (approx.) : 3.5, 6.3, 9.1, 11.9, 14.7, 17.5 in.lbs. (multi-stage)  
(max. torque at 6 position)
- Easily converts from straight to pistol form
- 2-speed gear box
- 1/4" hex drive
- Multi-stage clutch plus drill
- Reversible
- Gear lock mechanism for manual tightening
- Charging Time (using EY0225B charger)\*: 15 minutes

### Typical Application

- Appliance Repair
- Production line, assembly work
- Circuit board assembly (of small equipment)



## EY503B Cordless Drill & Driver Kit

2.4V

- Compact size (LxHxW): 9-3/8" x 5" x 1-7/16" in straight format
- Light weight (incl. battery): 0.9 lbs.
- Max. Torque: Low 26 in.lbs. High 13 in.lbs.
- Speed at No Load: Low 200 rpm High 400 rpm
- Clutch Torque (approx.) : 3.5, 6.3, 9.1, 11.9, 14.7, 17.5 in.lbs. (multi-stage)  
(max. torque at 6 position)
- Easily converts from straight to pistol form
- 2-speed gear box
- 1/4" hex drive
- Multi-stage clutch plus drill
- Reversible
- Gear lock mechanism for manual tightening
- Charging Time (using EY503B7658 charger)\*: 60 minutes

### Typical Application

- Appliance Repair
- Production line, assembly work
- Circuit board assembly (of small equipment)





# Hammer Drill & Driver

High Speed Masonry Drilling

## EY6950GQKW Cordless 1/2" Hammer Drill & Driver Kit

18V

- High capacity 3.5Ah Ni-MH battery
- Compact size (L x H x W): 9-15/16" x 9-9/16" x 2-1/2"
- Light weight (incl. battery): 5.9 lbs.
- High performance as regular drill: Max.torque 425 in.lbs.  
Max.capacity dia.2" with low speed
- Variable speed control/reversible: Low 75-450 rpm  
High 250-1,550 rpm
- Clutch Torque (approx): 18-106 in.lbs.  
(6.2 in.lbs per stage, total 15 stage)  
(max.torque at drilling position-stage 16)
- High speed masonry drilling: Max.1,550 rpm/28,000 bpm
- Blows Rate per Minute: Low 1,350-8,100 bpm  
High 4,500-28,000 bpm
- Spindle Thread: 1/2"-20
- 1/2" heavy-duty keyless chuck
- Sure grip support handle
- New ergonomic balanced tool body
- Charging Time (using EY0110B charger)\*: 65 minutes
- With an extra battery pack as standard equipment
- Max. Drill Diameter: in Metal dia.1/2"  
in Wood dia.2"  
in Mortar/Brick dia.1/2"

### Typical Application

- Electricians
- General construction
- Interior installation
- Heating, water & sanitation technicians
- Masonry drilling
- Masonry/Wood fastening
- Wood/Metal drilling



## EY6932GQKW Cordless 1/2" Hammer Drill & Driver Kit

15.6V

- High capacity 3.5Ah Ni-MH battery
- Compact size (L x H x W): 9-5/16" x 8-7/8" x 2-9/32"
- Light weight (incl. battery): 5.3 lbs.
- High performance as regular drill: Max.torque 286 in.lbs.  
Max.capacity dia.1-3/8" with low speed
- Variable speed control/reversible: Low 80-550 rpm  
High 300-2,000 rpm
- Clutch Torque (approx): 8.7, 13.0, 21.7, 30.4, 39.0 in.lbs.(5 stage)
- High speed masonry drilling: Max.2,000 rpm/30,000 bpm
- Blows Rate per Minute: Low 1,200-8,250 bpm  
High 4,500-30,000 bpm
- Spindle Thread: 3/8"-24
- 1/2" heavy-duty keyless chuck
- Charging Time (using EY0110B charger)\*: 55 minutes
- With an extra battery pack as standard equipment

### Typical Application

- Electricians
- General construction
- Interior installation
- Heating, water & sanitation technicians
- Masonry drilling
- Masonry/Wood fastening
- Wood/Metal drilling

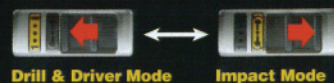




# Multi Drill & Driver

Multi Function

Mode selector switch



**Driving**

**Fastening**

**Drilling**

**EY6535GQW Cordless Multi & Drill Driver Kit**

**15.6V**

- High capacity 3.5Ah Ni-MH battery
- Compact size (L x H x W): 8-1/2" x 9-3/32" x 2-1/8" (square drive)  
(with keyless chuck 10-7/16" x 9-3/32" x 2-1/8")  
(with quick change chuck 9-5/16" x 9-3/32" x 2-1/8")
- Light weight (incl. battery): 4.8 lbs. (square drive) (with keyless chuck 5.2 lbs.)  
(with quick change chuck 5.0 lbs.)
- High power: Impact mode: 1,100 in.lbs. (91.7 ft.lbs.)  
Drill & Driver: mode 286 in.lbs.
- Variable speed control/reversible: Impact mode: 0-2,200 rpm  
Drill & Driver: 0-650 rpm
- Clutch Torque (approx): 9-50 in.lbs. (2.4 in.lbs. per stage, total 18 stages)  
in Drill & Driver Mode
- Impact/min.: 3,300 ipm in Impact Mode
- Multi function: Impact mode: Heavy duty fastening with less kick back  
Drill & Driver mode: Drill & Driver with clutch function
- Charging Time (using EY0110B charger)\*: 55 minutes
- Electric brake
- With an extra battery pack as standard equipment

## Typical Application

- General construction
- Plumbing
- Finishing carpenter
- Electric installation work



Snap on attachable  
1/2" keyless chuck  
EY9HX003E



1/4" hex quick  
change chuck  
EY9HX110E



## Impact Mode

### DRIVING

- Wood Screw • Metal Screw
- Self-Drilling Screw
- Plastic Anchor

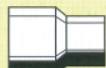
(+)(-) head



Torx head

### FASTENING

- Coach Screw • Bolt & Nut
- Plastic Anchor
- Self tapping masonry screw



Impact socket



1/4" hex quick  
change chuck

## Drill & Driver Mode

### DRILLING

- Wood • Metal



Wood / Metal drill bit



Snap on  
attachable 1/2"  
keyless chuck

### DRIVING

- Wood Screw • Metal Screw

(+)(-) head



Torx head



Snap on  
attachable 1/2"  
keyless chuck



1/4" hex quick  
change chuck



# Impact Driver

Comes with intelligent features!

## EY7202GQW Cordless Impact Driver Kit

12V

- High capacity 3.5Ah Ni-MH battery
- Compact size (LxHxW): 6-9/16" x 9-1/4" x 2-9/32"
- Light weight (incl. battery): 4.1 lbs.
- High power: Max. 1,100 in.lbs.
- Variable speed control/reversible
- Digital clutch with auto shut off.
- 3 Speed (High/Medium/Low)
- Charging Time (using EY0110B charger)\*: 55 minutes
- Electric brake
- Ergonomic design
- LED work light
- Belt hook
- With an extra battery pack as standard equipment

### Typical Application

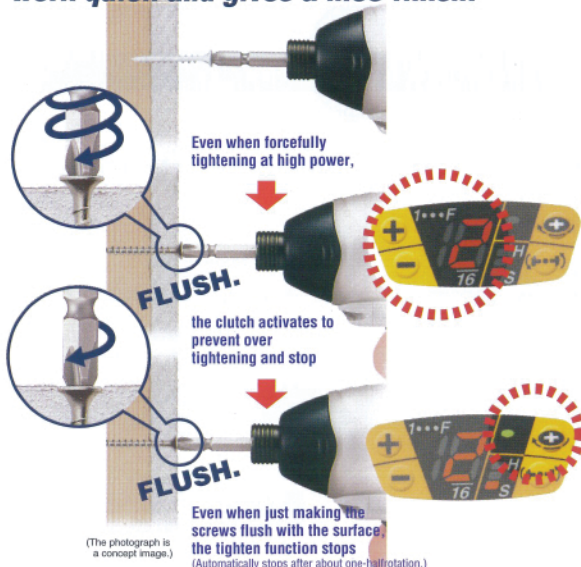
- Air conditioning installation
- Automotive repair and maintenance
- Assemble and disassemble scaffolding
- Long wood screw/lag screw fastening

	High/Hard Mode	Medium Mode	Low/Soft Mode
Max. Torque	1,100 in.lbs <sup>*1</sup>	970 in.lbs <sup>*2</sup>	530 in.lbs <sup>*3</sup>
Speed at No Load	0-2,600 rpm	0-2,450 rpm	0-2,000 rpm
Impact/min.	0-2,800 ipm	0-2,500 ipm	0-2,000 ipm

<sup>\*1</sup> M14 High tensile bolt tightening for 3 sec. <sup>\*2</sup> M10 High tensile bolt tightening for 3 sec. <sup>\*3</sup> M8 High tensile bolt tightening for 3 sec.

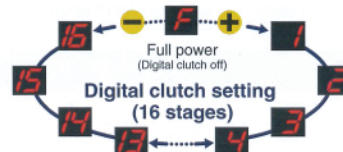


**The flush tightening impact driver makes work quick and gives a nice finish.**



### Digital clutch

Automatically stops before over tightening even when the switch is still being pulled.



### Tighten Function

Automatically stops after about one-half rotation each time the switch is pulled.

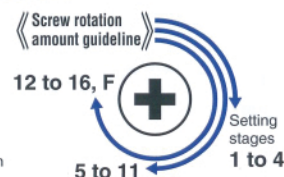
The tighten function is a new function that automatically stops after the screw has been tightened about one-half rotation. This makes fine flush alignment easy to do.

**The screw rotation amount can be set.**

Set the digital clutch stage



and press the Tighten button to turn on the tighten function. (Press the button again to turn it off.)





## EY7206GQW Cordless Impact Driver Kit

12V

- High capacity 3.5Ah Ni-MH battery
- Compact size (LxHxW): 6-7/32" x 9-21/64" x 2-9/32"
- Light weight (incl. battery): 3.9 lbs.
- High power: 1,100 in.lbs.
- Charging Time (using EY0110B charger)\*: 45 minutes
- Variable speed control/reversible
- Electric brake
- Ergonomic design
- Extra battery pack as standard equipment

### Typical Application

- Air conditioning installation
- Automotive repair and maintenance
- Assemble and disassemble scaffolding
- Long wood screw/lag screw fastening

	High/Hard Mode	Low/Soft Mode
<b>Max. Torque</b>	1,100 in. lbs	620 in. lbs
<b>Speed at No Load</b>	0-2,600 rpm	0-1,800 rpm
<b>Impact/min.</b>	0-2,600 ipm	0-2,300 ipm

### Power Mode Switching

High torque delivers for faster tightening but makes it harder to leave a clean finish. With the EY7206 you can switch between two torque levels. Choose the torque level that matches the material or the desired finish.

The impact torque can be set at two different levels. Use the S mode (soft) for a clean finish.

#### H mode (Approx. 1,100 in.lbs.)



For fastening large diameter bolt and nut and lag bolt



Too much torque drives the screw in too far and damages the material.



Before now the screw head is often stripped off.

#### S mode (Approx. 620 in.lbs.)



Reduce material surface damage and avoid stripping screw head.

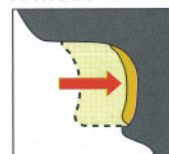


The screw can be fastened to just the right level for a clean finish even in soft materials.

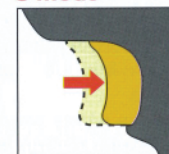


Fine torque control can be used for fastening in hard wood.

#### H mode



#### S mode



In the S mode the speed control trigger can only be depressed half way. This is normal operation.



#### Large hammer :

A large hammer provides greater striking force to tighten even large diameter screws and bolts.



## EY6506NQKW Cordless Impact Driver Kit

12V

- High capacity 3Ah Ni-MH battery
- Compact size (LxHxW): 6-1/8" x 8-5/8" x 2-1/8"
- Light weight (incl. battery): 3.2 lbs.
- High power: 867 in.lbs.
- Variable speed control/reversible: 0-2,800 rpm
- Charging Time (using EY0110B charger)\*: 45 minutes
- Electric brake
- New ergonomic design
- With an extra battery pack as standard equipment

### Typical Application

- Air conditioning installation
- Automotive repair and maintenance
- Assemble and disassemble scaffolding
- Long wood screw/lag screw fastening

### Compact & Light

With a new developed "Built-in Motor" and "Magnesium Alloy Case", we had achieved reducing the size and weight.



**Light-weight motor:**  
Built-in motor eliminates the sealed motor case to reduce the weight.



**Light-weight metal:**  
Magnesium alloy case helps reduce the weight.





# Metal Cutter

Easy and fast cutting of deep channel strut.

## High Power



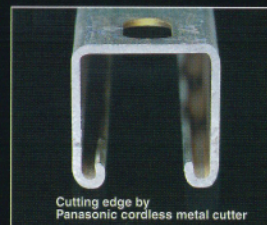
Easy and fast cut of 2-7/32" deep strut

## Lightweight



Easy to use anywhere

## Clean Cut



Clean cut reduces the need for deburring

## EY3552GQW Cordless Metal Cutter Kit

18V

- High capacity 3.5Ah Ni-MH battery
- Compact size (LxHxW): 13-37/64" x 7-51/64" x 10-25/64"
- Light weight (incl. battery): 8.82 lbs.
- Rotating Speed: 2,900 rpm
- Blade Size: Outer diameter 6-1/2" Arbor size 13/16"
- Cutting Depth: Min. 1/8" Max. 2-7/32"
- Electric brake
- Cutting edge is easily seen through transparent window
- In-line ergonomic design for comfortable cutting
- Safety switch lock lever
- Spindle lock button for easy blade replacement
- Charging Time (using EY0110B charger)\*: 65 minutes
- With an extra battery pack as standard equipment

### Typical Application

- Metal construction
- Electric installation work
- Plumbing
- General construction



### Replacement Blades Blade size: dia. 6-1/2"



#### EY9PM17A Standard

- C-6 tungsten carbide-tipped blade for metal cutting
- 40 teeth
- Kerf (in.): 1/16" (.061)



#### EY9PM17B Option

- C-6 tungsten carbide-tipped blade for thin metal cutting
- 56 teeth
- Kerf (in.): 1/16" (.067)

Other accessory: Rip Fence EY3500B7727

## EY3530NQMkW Cordless Metal Cutter Kit

15.6V

- High capacity 3Ah Ni-MH battery
- Compact size (LxHxW): 13-25/32" x 7-1/8" x 7-13/16"
- Light weight (incl. battery): 6.7 lbs.
- Rotating Speed: 3,100 rpm
- Blade Size: Outer diameter 5-3/8" Arbor size 13/16"
- Cutting Depth: Min. 1/8" Max. 1-13/16"
- Electric brake
- Cutting edge is easily seen through transparent window
- In-line ergonomic design for comfortable cutting
- Safety switch lock lever
- Spindle lock button for easy blade replacement
- Charging Time (using EY0110B charger)\*: 45 minutes
- With an extra battery pack as standard equipment

### Typical Application

- Metal construction
- Electric installation work
- Plumbing
- General construction



### Replacement Blades Blade size: dia. 5-5/16"



#### EY9PM13C Standard

- C-6 tungsten carbide-tipped blade for metal cutting
- 30 teeth
- Kerf (in.): 1/16" (.055)



#### EY9PM13D Option

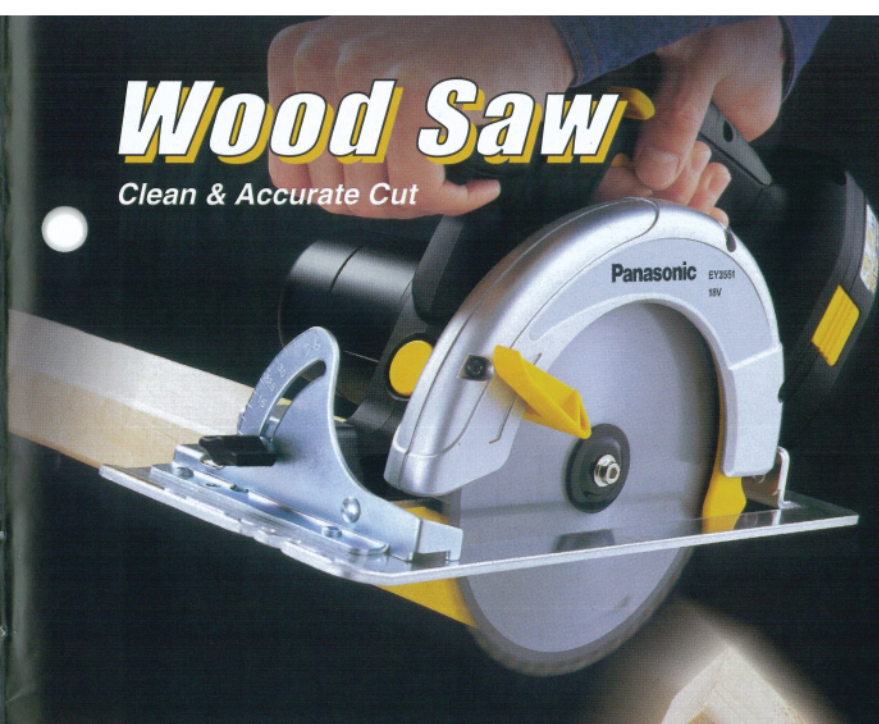
- C-6 tungsten carbide-tipped blade for thin metal cutting
- 50 teeth
- Kerf (in.): 1/16" (.055)

Other accessory: Rip Fence EY3500B7727



# Wood Saw

Clean & Accurate Cut



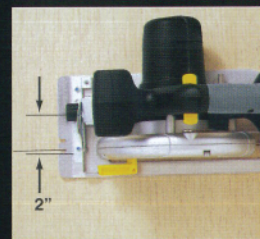
Bevel adjustment to 50°



Depth of cut adjustment  
1/8" to 2-7/32"



Slotted upper blade guard  
for easy blade visibility



In-line ergonomic design for  
comfortable cutting

## EY3551GQ Cordless Wood Saw Kit

18V

- High capacity 3.5Ah Ni-MH battery
- Compact size (LxHxW): 14-3/4" x 7-7/8" x 10-9/32"
- Light weight (incl. battery): 8.82 lbs.
- Rotating Speed: 2,900 rpm
- Blade Size: Outer diameter 6-1/2" Arbor size 13/16"
- Cutting Depth: Min. 1/8" Max. 2-7/32"
- Cutting Angle Adjustment: 0° to 50°
- Electric brake
- In-line ergonomic design for comfortable cutting
- Safety switch lock lever
- Spindle lock button for easy blade replacement
- Charging Time (using EY0110B charger)\*: 65 minutes

### Typical Application

- General construction
- Finishing carpentry

3.5Ah  
NI-MH



### Replacement Blades Blade size: dia.6-1/2"



#### EY9PW17A Standard

- C-6 tungsten carbide-tipped blade for wood cutting
- 48 teeth
- Kerf (in.): 1/16" (.059)

Other accessory: Rip Fence EY3500B7727

## EY3531NQWKW Cordless Wood Saw Kit

15.6V

- High capacity 3Ah Ni-MH battery
- Compact size (LxHxW): 14-3/8" x 7-1/8" x 7-13/16"
- Light weight (incl. battery): 6.7 lbs.
- Rotating Speed: 3,100 rpm
- Blade Size: Outer diameter 5-3/8" Arbor size 13/16"
- Cutting Depth: Min. 1/8" Max. 1-13/16"
- Cutting Angle Adjustment: 0° to 45°
- Electric brake
- In-line ergonomic design for comfortable cutting
- Safety switch lock lever
- Spindle lock button for easy blade replacement
- Charging Time (using EY0110B charger)\*: 45 minutes
- With an extra battery pack as standard equipment

### Typical Application

- General construction
- Finishing carpentry



### Replacement Blades Blade size: dia.5-5/16"



#### EY9PW13A Standard

- C-6 tungsten carbide-tipped blade for wood cutting
- 30 teeth
- Kerf (in.): 3/64" (.047)



#### EY9PW13B Option

- C-6 tungsten carbide-tipped blade for thin wood cutting
- 48 teeth
- Kerf (in.): 3/64" (.047)



#### EY9PP13B Option

- C-6 tungsten carbide-tipped blade for plastic cutting
- 52 teeth
- Kerf (in.): 3/64" (.047)

Other accessory: Rip Fence EY3500B7727



# Reciprocating Saw

Powerful Demolition



**EY3544GQK Cordless Reciprocating Saw Kit**

**18V**

- High capacity 3.5Ah Ni-MH battery
- Compact size (L x H x W): 19-17/32" x 8-11/16" x 3-7/16"
- Light weight (incl. battery): 8.5 lbs.
- Powerful cutting: 7/8" stroke length, 0-2,700 spm
- Max. Cutting Size: in PVC pipe dia. 3-9/16"  
in wood 3-9/16" thickness
- Cutting depth adjustment: 0-31/32"
- Keyless blade clamping system  
→ Allows easy blade replacement
- New ergonomic balanced tool body
- 2-finger pulling trigger switch
- Safety switch lock lever
- Electric brake
- Charging Time (using EY0110B charger)\*: 65 minutes

#### Typical Application

- General construction
- Plumbing
- Carpentry
- Electric installation work



**3.5Ah  
NI-MH**

## Experience the performance



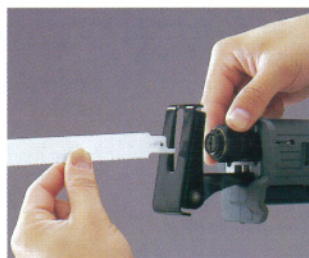
### Powerful Demolition

High voltage 18V reciprocating saw offers powerful cutting performance.



### Longer Running

High capacity 3.5Ah battery pack offers long cutting.



### Easy Blade Replacement

With Keyless blade clamping system, blade can be secured by just pushing the blade into the tool. And the blade can be easily removed by turning the holder collar.



### Comfortable Grip

Easy on your hands

## Replacement Blade



**6" Straight Back Bi-Metal  
Reciprocating Saw Blade  
Standard**

- Bi-Metal blade for multi-material
- 18 teeth per inch
- Blade length: 6"
- Blade width: 1"

\*Not available for the accessory item.



**EYC155GQW 4pcs Wood Combo Kit****18V**

- 1 x EY3551 (Body): 18V Wood Saw + Standard wood saw blade
- 1 x EY3544 (Body): 18V Reciprocating Saw + Standard reciprocating saw blade
- 1 x EY6950 (Body): 18V Hammer Drill & Driver
- 1 x EY3796 (Body): 18V Flashlight
- 1 x EY0110B : Charger for Ni-MH battery pack
- 2 x EY9251B : High capacity 3.5Ah Ni-MH battery pack
- 1 x Carrying case

**EYC135NQKW Wood Combo Kit****15.6V**

- 1 x EY3531 (Body): 15.6V Wood Saw + Standard wood saw blade
- 1 x EY6432 (Body): 15.6V Drill & Driver
- 1 x EY0110: Charger for Ni-MH battery pack
- 2 x EY9230: High capacity 3Ah Ni-MH battery pack
- 1 x Plastic Carrying Case

**EYC156GQW 4pcs Metal Combo Kit****18V**

- 1 x EY3552 (Body): 18V Metal Cutter + Standard metal cutter blade
- 1 x EY3544 (Body): 18V Reciprocating Saw + Standard reciprocating saw blade
- 1 x EY6950 (Body): 18V Hammer Drill & Driver
- 1 x EY3796 (Body): 18V Flashlight
- 1 x EY0110B : Charger for Ni-MH battery pack
- 2 x EY9251B : High capacity 3.5Ah Ni-MH battery pack
- 1 x Carrying case

**EYC136NQKW Metal Combo Kit****15.6V**

- 1 x EY3530 (Body): 15.6V Metal Cutter + Standard metal cutter blade
- 1 x EY6432 (Body): 15.6V Drill & Driver
- 1 x EY0110: Charger for Ni-MH battery pack
- 2 x EY9230: High capacity 3Ah Ni-MH battery pack
- 1 x Plastic Carrying Case

**EYC150GQKW Reciprocating Saw Combo Kit****18V**

- 1 x EY3544 (Body): 18V Reciprocating Saw + Standard reciprocating saw blade
- 1 x EY6450 (Body): 18V Drill & Driver
- 1 x EY0110 : Charger for Ni-MH battery pack
- 2 x EY9251 : High Capacity 3.5Ah Ni-MH battery pack
- 1 x Plastic Carrying Case






**EY3796B Cordless Flashlight****18V**

- Brightness of approx. 4,000 Lux
- Adjustable head angle (Four steps)
- Low battery indication
- Bulb: Xenon 0.6A
- Size (L x H x W)(excluding battery): 11-1/64" x 5-9/32" x 3-3/4"
- Weight (excluding battery): 0.848 lbs
- Shoulder strap
- Accepts all Panasonic 18V battery packs for each voltage

**Acceptable Battery Packs and Hours of Use**

- With 18V "type  " battery pack EY9251B: Approx. 4.5 hours

**EY3794B Cordless Flashlight****12V**

- Brightness of approx. 4,000 Lux
- Adjustable head angle (Four steps)
- Low battery indication
- Bulb: Xenon 0.7A
- Size (L x H x W)(excluding battery): 11-1/64" x 3-3/4" x 3-3/4"
- Weight (excluding battery): 0.804 lbs
- Shoulder strap
- Accepts all Panasonic 12V battery packs for each voltage




**Acceptable Battery Packs and Hours of Use**

- With 12V "type  " battery pack EY9201B: Approx. 4.0 hours
- With 12V "type  " battery pack EY9200B: Approx. 3.5 hours
- With 12V "type  " battery pack EY9106B: Approx. 2.3 hours
- With 12V "type  " battery pack EY9006B: Approx. 1.3 hours

**EY3795B Cordless Flashlight****15.6V**

- Brightness of approx. 4,000 Lux
- Adjustable head angle (Four steps)
- Low battery indication
- Bulb: Xenon 0.7A
- Size (L x H x W)(excluding battery): 11-1/64" x 4-21/64" x 3-3/4"
- Weight (excluding battery): 0.826 lbs
- Shoulder strap
- Accepts all Panasonic 15.6V battery packs for each voltage

**Acceptable Battery Packs and Hours of Use**

- With 15.6V "type  " battery pack EY9231B: Approx. 4.0 hours
- With 15.6V "type  " battery pack EY9230B: Approx. 3.5 hours
- With 15.6V "type  " battery pack EY9106B: Approx. 2.3 hours

**EY0110B Charger for Ni-MH battery & Ni-Cd battery**

- Accepts Panasonic's **7.2V-24V Battery Packs** (See below for details)
- Equipped with a lamp system that indicates the status of the 5 charging functions at a glance

**EY503B7658 1-Hour charger for Ni-Cd battery**

- Accepts Panasonic's 2.4V battery packs: EY9021B, EY903B


















	Type of Battery							
	Ni-MH				Ni-Cd			
	3.5Ah(G)	3Ah(N)	2Ah(V)	2Ah(F)	1.7Ah(E)	1.2Ah(C)	1.2Ah(D)	
24 V			EY9210B		EY9117B			
18 V	EY9251B							
15.6 V		EY9231B		EY9230B	EY9136B			
12 V		EY9201B		EY9200B	EY9106B	EY9101B	EY9006B	EY9001B
9.6 V					EY9182B/9180B	EY9086B	EY9080B	
Charging Time	65 min.	55 min.	90 min.	45 min.	60 min.	30 min.	25 min.	20 min.

\*Charging times are approximate and may be slightly longer depending on conditions.



## Compatibility with Battery Pack and Battery Charger

Voltage	Model			Battery	Charging Time								Charger
					15 min.	30 min.	45 min.	50 min.	55 min.	60 min.	65 min.	70 min.	
28.8V	EY7880LN2S			 EY9L80B					△*			○	
21.6V	EY7460LN2S EY7960LN2S			 EY9L60B			△*			○			
18V	EY6450GQKW EY6950GQKW EY3551GQ	EY3552GQW EY3544GQK EY3796B	EYC150GQW EYC155GQW EYC156GQW	 EY9251B					●		●		EY0110B EY0214B
15.6V	EY6432GQKW EY6432NQKW EY6432FQKW EY6535GQW EY6932GQKW EY3530NQMKW EY3531NQWKW EY3795B			 EY9231B					●				
				 EY9230B			●						EY0110B EY0214B EY0L80B
				 EY9136B		●							
						●							
14.4V	EY7440LN2L EY7540LN2L EY7541LN2L	EY7542LN2L EY7840LN2S EY4542LN2M	EY4541X EY4640X EY3740B	 EY9L40B		△*		○					
12V	EY6409GQKW EY6409NQKW EY6405FQKW EY7202GQW EY7206GQW EY6506NQKW EY3794B			 EY9201B					●				EY0110B EY0214B
				 EY9200B			●						
				 EY9106B		●							EY0110B EY0214B EY0L80B
						●							
3.6V	EY7410LA2S			 EY9L10B	△*	○							
	EY6225CQ			 EY9025B	○								EY0225B EY0L10B
2.4V	EY6220B			 EY9021B	○								EY503B7658B EY0225B EY0L10B
	EY503B			 EY9021B	○								
				 EY903B						○			



## Impact Driver / Impact Wrench Capacity Table

Voltage		14.4V		12V		
Model No.		EY7540LN2L	EY7541LN2L	EY7202GQW	EY7206GQW	EY6506NQKW
Wood Screws in Yellow Pine	dia.11/64"x 2-61/64"	290	290	—	—	—
	dia.7/32"x 2-3/8"	—	—	100	100	75
	dia.5/32"x 1/2"	—	—	345	345	300
Self-Drilling Screws in SPC	*t=1/16", dia.5/32"x 1/2"	460	460	340	340	330
Bolt/ Nuts	M8 Tightened for 1 sec.	—	—	325	325	340
Standard Tensile Bolt	t=3/8", M16 x 63/64"	390	390	—	—	—
	t=3/8", M12 x 63/64"	1,000	—	—	—	—
Standard Tensile Bolt (Metal Sheet)	t=3/8", M14 x 63/64"	—	550	—	—	—
High Tensile Bolt	t=3/8", M12 x 63/64"	170	170	—	—	—

## Multi Drill & Driver Capacity Table

15.6V EY6535GQW/EY6535GQWA

				per charge
DD Mode	With 1/2" keyless chuck	Drilling into Wood	dia.1" x 1-1/2"	95 holes
		Drilling into Metal (SPC/Sheet Metal)	16 gauge, dia.1/2"	58 holes
	With quick change 1/4" hex. drive	Wood Screw	#8 x 1"	825 pcs
Impact Mode	With 1/2" square drive with ball detent	Lag Bolt	dia. 3/8" x 1-15/16"	64 pcs
		Carriage Bolt & Nut	M12	150 pcs
	With quick change 1/4" hex. drive	Self-Drilling Screw	SPC/Sheet metal: t*=14 gauge, dia. 3/16"	500 pcs

14.4V EY7542LN2L

		per charge
DD Mode	Holes in Sheet Metal	t=1/16", dia.53/64" 25 pcs
	Holes in Yellow Pine	t=25/32", dia.19/32" 300 pcs
Impact Mode	Wood Screws in Yellow Pine	dia.5/32" x 61/64" 220 pcs
	Self-Drilling Screw (SPC/Sheet Metal)	t=3/32", dia.5/32" x 1/2" 300 pcs

## Drill and Driver Capacity Table

Voltage		21.6V	18V	15.6V		14.4V	12V			3.6V	2.4V		
Catalog No.		EY7460LN2S	EY6450GQKW	EY6432GQKW	EY6432NQKW	EY6432FQKW	EY7440LN2L	EY6409GQKW	EY6409NQKW	EY6405FQKW	EY7410LA2S	EY6220B	EY503B
Wood Screws in Yellow Pine	dia.5/32"x 3"	700	765	—	—	—	—	—	—	—	—	—	—
	dia.5/32"x 1"	—	—	—	—	—	700	610	525	350	—	—	—
	dia.1/4"x 2-1/2"	—	—	555	480	320	385	—	—	—	—	—	—
	dia.1/8"x 3/4"	—	—	—	—	—	—	—	—	—	—	100	100
	dia.1/8"x 1/2"	—	—	—	—	—	—	—	—	—	600	—	—
Self-Drilling Screws in SPC	*t=3/64", dia.1/8"x 1/2"	960	1,360	—	—	—	—	860	730	480	—	—	—
Holes in Yellow Pine	*t=1-1/2", dia.1-27/64"	220	165	135	120	80	90	—	—	—	—	—	—
Holes in Sheet Metal	*t=1/16", dia.1/2"	180	95	—	—	—	—	—	—	—	—	—	—
Holes in SPC	*t=3/64", dia.5/54"	—	—	—	—	—	—	—	—	—	85	—	—

## Rotary Hammer Drill & Driver Capacity Table 14.4V EY7840LN2S

Drilling + Fastening	Concrete screw	Holes in Concrete and Screws Fastening	dia. 1/8" x 1-3/16"	85
			dia. 5/32" x 1"	
Drilling	Plastic anchor fastening application	Holes in Concrete and Screws Fastening	dia. 15/64" x 1-3/16"	75
			dia. 11/64" x 1"	
	Holes in Concrete		dia. 1/8" x 1-3/16"	100
			dia. 15/64" x 1-3/16"	80
			dia. 3/8" x 1-37/64"	35
			dia. 1/2" x 1-37/64"	25



## Rotary Hammer Capacity Table

Voltage		28.8V
Catalog No.		EY7880LN2S
Concrete *	dia. 1/4" x 3/16"	130 holes/charge
	dia. 5/16" x 3-15/16"	25 holes/charge
	dia. 1/2" x 1-9/16"	60 holes/charge
	dia. 9/16" x 3-17/32"	17 holes/charge
	dia. 25/32" x 1-9/16"	25 holes/charge

\*At concrete strength of medium hardness.

## Angle Grinder Capacity Table

Voltage		14.4V
Catalog No.		EY4640X
Reinforcing bar	dia. 25/64"	19pcs/charge

## Jigsaw Capacity Table

Voltage		14.4V
Catalog No.		EY4541X
Particle board	dia. 25/32"	4m/charge
SPC	t=1/16"	3.6m/charge

## Hammer Drill and Driver Capacity Table

Voltage		21.6V	18V	15.6V
Catalog No.		EY7960LN2S	EY6950GQKW	EY6932GQKW
Masonry Fastening	dia. 1/4"x 1-3/8"	—	1,280	1,270
Wood Screws into Yellow Pine	dia. 5/32"x 3"	700	775	—
Self-Drilling Screw into SPC	*t=3/64", dia. 1/8" x 1/2"	960	1,200	—
Holes into Yellow Pine	*t=1-1/2", dia. 1-27/64"	220	180	—
	*t=9/16", dia. 1-1/16"	—	—	121
Holes in Masonry	1-9/16" depth dia. 13/64"	120	105	—
	1-3/16" depth dia. 1/4"	—	—	120
Holes in Metal Sheet	*t=1/16" dia. 1/2"	180	171	85

## Metal Cutter Capacity Table

Voltage		18V		15.6V		14.4V	
Catalog No.		EY3552GQW		EY3530NQMKW		EY4542LN2M	
Strut	W:1-5/8" H:1-5/8" 12 ga.	Metal EY9PM17A	70 cut/charge	Metal EY9PM13C	35 cut/charge	—	—
	W:1-5/8" H:1-3/16" 14 ga.	Metal EY9PM17A	100 cut/charge	Metal EY9PM13C	75 cut/charge	—	—
Conduit Pipe	Outer/1" EMT dia. 1-5/32"	Metal EY9PM17A	140 cut/charge	Metal EY9PM13C	105 cut/charge	Metal EY9PM13C	105 cut/charge
	dia. 2-3/16"	Metal EY9PM17A	75 cut/charge	—	—	—	—

This metal cutter is only for use in cutting unhardened ferrous material of which the thickness is 1/32"–1/4". Use on thinner or thicker materials, or on stainless steel, will result in a rough cut and could increase the risk of kick back. A blade, EY9PM13D, for cutting unhardened ferrous metal with a thickness of 1/128"–1/16", is separately available.

## Wood Saw Capacity Table

Voltage		18V		15.6V		14.4V	
Catalog No.		EY3551GQ		EY3531NQWKW		EY4542LN2M	
Yellow Pine	2 x 4 (1-1/2"x 3-1/2")	Wood EY9PW17A	280 cut/charge	Wood EY9PW13A	210 cut/charge	—	—
	2 x 6 (1-1/2"x 5-1/2")	Wood EY9PW17A	155 cut/charge	Wood EY9PW13A	120 cut/charge	—	—
	Plywood board (L: 35-7/16" *t=1/2")	—	—	Thin Wood EY9PW13B	45 cut/charge	Thin Wood EY9PW13B	40 cut/charge
PVC Pipe	dia. 1"	—	—	Plastic EY9PP13B	150 cut/charge	—	—
	dia. 1-5/8"	—	—	Plastic EY9PP13B	60 cut/charge	—	—
	dia. 1-1/2"	—	—	—	—	Plastic EY9PP13B	110 cut/charge

## Reciprocating Saw Capacity Table 18V EY3544GQK

Material	Material Size	Pieces Cut/Charge
Yellow Pine	2 x 10 (1-1/2"x 8-3/4")	35
PVC Pipe	*t=1/16" dia. 1-3/16"	75

The above tables show average values, and there may be some difference depending on the battery condition, the sharpness of the bit/blade, the material hardness, etc.  
\*t = thickness of material



# Standard/Optional Accessory Chart

Voltage		28.8V			21.6V			18V							15.6V						
Model No.		EY7880LN2S	EY7460LN2S	EY7960LN2S	EY6450GQKW	EY6950GQKW	EY3544GQK	EY3551GQ	EY3552GQW	EYC150GQKW	EYC155GQW	EYC156GQW	EY3796B	EY6432GQKW	EY6432NQKW	EY6432FQKW	EY6535GQW	EY6932GQKW	EY3530NQMKW		
28.8V Battery Pack (3Ah Li-ion Battery Type <b>L</b> )	EY9L80B	●																			
21.6V Battery Pack (3Ah Ni-MH Battery Type <b>L</b> )	EY9L60B		●	●																	
18V Battery Pack (3.5Ah Ni-MH Battery Type <b>G</b> )	EY9251B				●	●	●	●	●	●	●	●	○								
15.6V Battery Pack (3.5Ah Ni-MH Battery Type <b>G</b> )	EY9231B													●	○	○	●	●			
15.6V Battery Pack (3Ah Ni-MH Battery Type <b>N</b> )	EY9230B													○	●	○	○	○	●		
15.6V Battery Pack (2Ah Ni-Cd Battery Type <b>F</b> )	EY9136B													○	○	●	○	○	○		
14.4V Battery Pack (3Ah Li-ion Battery Type <b>L</b> )	EY9L40B																				
12V Battery Pack (3.5Ah Ni-MH Battery Type <b>G</b> )	EY9201B																				
12V Battery Pack (3Ah Ni-MH Battery Type <b>N</b> )	EY9200B																				
12V Battery Pack (2Ah Ni-Cd Battery Type <b>F</b> )	EY9106B																				
12V Battery Pack (1.2Ah Ni-Cd Battery Type <b>G</b> )	EY9006B																				
3.6V Battery Pack (1.2Ah Li-ion Battery Type <b>L</b> )	EY9L10B																				
3.6V Battery Pack (1.2Ah Ni-Cd Battery Type <b>G</b> )	EY9025B																				
2.4V Battery Pack (Standard Capacity)	EY9021B																				
2.4V Battery Pack (Standard Capacity)	EY903B																				
Charger for Li-ion, Ni-MH & Ni-Cd battery	EY0L80B	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
Charger for Ni-MH & Ni-Cd Battery (7.2-24V)	EY0214B				○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
Charger for Ni-MH & Ni-Cd Battery (7.2-24V)	EY0110B				●	●	●	●	●	●	●	●	○	●	●	●	●	●	●		
15-Minutes Charger (2.4V-3.6V)	EY0225B																				
Charger for Li-ion, Ni-MH & Ni-Cd battery	EY0L10B																				
1-Hour Charger (2.4V)	EY503B7658																				
Quick Change 1/4" hex. Drive	EY9HX110E																●				
SDS-plus Drill Chuck	EY9HX400E	○																			
SDS-plus Chiseling Attachment	EY9HX402E	○																			
Bit Adaptor	EY9HX403E																				
1/2" Keyless Drill Chuck (Spindle Thread 3/8"-24)	EY9HX405E													●	●	●					
Drill chuck (3/8") adaptor for impact driver (1/4" hex. shank)	EY9HX409E																				
Quick Change 1/4" hex. Drive	EY9HX410E		●	●	●																
1/2" Positive Keyless Drill Chuck	EY6930K7918																	●			
3/8" Keyless Drill Chuck (Spindle Thread 3/8"-24)	EY9795B																				
1/2" Keyless Drill Chuck (Spindle Thread 3/8"-24)	EY9796B													○	○	○					
1/2" Keyless Drill Chuck for Hammer Drill (Spindle Thread 1/2"-20)	EY9798B					●					●	●									
1/2" Keyless Drill Chuck (Spindle Thread 1/2"-20)	EY9799B				○				●												
Carbide-Tipped Blade for Metal	EY9PM13C																		●		
Carbide-Tipped Blade for Thin Metal	EY9PM13D																		○		
Carbide-Tipped Blade for Wood	EY9PW13A																				
Carbide-Tipped Blade for Thin Wood	EY9PW13B																				
Carbide-Tipped Blade for Plastic	EY9PP13B																				
Carbide-Tipped Blade for Metal	EY9PM17A							●			●										
Carbide-Tipped Blade for Thin Metal	EY9PM17B							○			○										
Carbide-Tipped Blade for Wood	EY9PW17A						●			●											
Metal Blade	EY9SXMJ0E																				
Wood Blade	EY9SXWJ0E																				
Drywall Blade	EY9SXXJ0E																				
Rip Fence	EY3500B7727							○	○		○	○							○		
Snap on attachable 1/2" Keyless Chuck	EY9X003E																●				
Dust collection cup	EY9X004E	●																			
Clutch Lock Cover	EY9X007E																				
Dust Adaptor for Vacuum Cleaner	EY9X009E																				
Rip Fence	EY9X011E																				
Vacuum Hose Adaptor	EY9X012E																				
Grinding Disc	EY9X202E																				
Cut-off Disc	EY9X203E																				
Grinding Disc Guard	EY9X212E																				
Cut-off Disc Guard	EY9X213E																				
Disc Flange	EY9X221E																				
Clamp Nut	EY9X231E																				



