

Li-ion 28.8V/21.6V/14.4V

Li-ion 3.6V

Lifetime total performance

approx. **2.5** times

Lifetime total performance

approx. **1.25** times

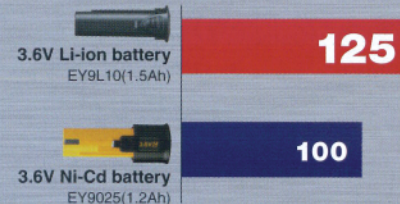
* In comparison to one of our fully-charged EY9200 batteries (company study)

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

• Index comparison of total performance

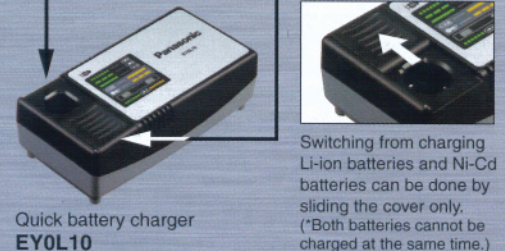


• Index comparison of total performance



Ni-MH battery	Ni-Cd battery	Li-ion battery
7.2V~24V	7.2V~24V	7.2V~28.8V

Li-ion battery	Ni-Cd battery
3.6V	2.4/3.6V



New Cobalt Li-ion Battery

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

High Output

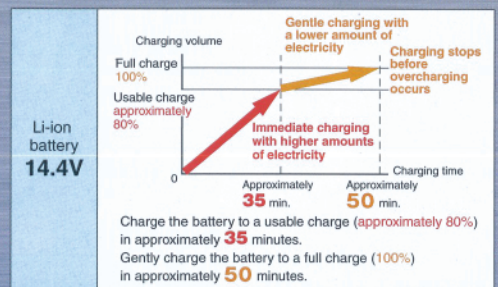
High electrical efficiency lets cobalt lithium batteries deliver greater output than manganese lithium batteries.

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.



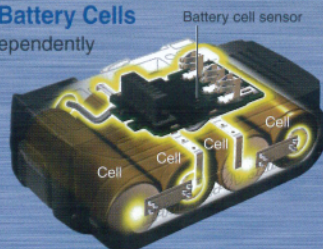
Exceptional Safety and Reliability

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.

