

ELP400 EV BATTERY PACK MODULE CHARGING AND DISCHARGING DEVICE

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The ELP400EV Battery Pack Module is a Charging and Discharging device that maintains battery packs to extend the service life and longevity. It features the ability to perform various tests which include discharging, charging, and cycle charging in the maintenance mode. The ELP400EV Battery Pack Module services various lithium batteries such as lithium iron phosphate, lithium ternary, and lithium manganese oxide. Additional capabilities include wireless data transmission and an intelligent based operating system aimed at usability.

FEATURES

- The 7-inch LCD touch screen and the intuitive menu allows for a seamless usability experience
- Portable and Versatile
- Services lithium battery packs by testing various voltage levels.
- Ability to test all lithium battery packs testing with various voltage levels.
- Supports an Intelligent equalizing function and the ability to equalize maintenance parameters
- Adopts wave width modulation technology, high efficiency, high power factor, low noise, low electromagnetic interference.
- Supports multiple protection measures/ alarm settings of voltage, current, temperature abnormal to protect the battery by balancing
- Supports the safety protection functions such as overvoltage, undervoltage, overcurrent, output short circuit, anti-reverse protection and protecting against overheating.
- Auto-stop conditions allow for control in the testing mode; to avoid over-charging and over-discharging
- Customizable settings for total charging time, constant voltage time, charging capacity, and charging current.

SPECIFICATIONS

Power Input	AC 90-265V
Data Communication	Can, Rs485
Data Dump	u disk
Data Storage	16G
Module Data Acquisition Communication	Harness Sampling
Group Voltage Accuracy	$\leq \pm 0.5\%FS + 0.3V$, resolution:0.001V
Current Measurement Accuracy	$\leq \pm 0.1\%FS + 0.2A$, resolution:0.1A
Charging/Discharging Voltage Range	DC 2-260V
Charging Current Range	0-100A, maximum power 4.4kw
Discharging Current Range	0-100A, maximum power 7.2kw
Charging Control	Constant current charging+constant voltage charging
Discharging Mode	Constant current discharge
Charging and Discharging Data Acquisition	In-camera active measurement+external can communication data acquisition
Electric Box Charging and Discharging Protection	Battery string overcharge and over discharge,battery string temperature is too high protection

Main Unit Protection	Over temperature,over current, current runaway trigger shutdown protection
Shutdown Actuator	DC air circuit breaker+release
Reverse Connection Protection	Available
Abnormal Protection	Power failure of power line and main cable
Over Temperature Protection	100°C Resistance box over temperature 85°C radiator over temperature 100°C
Alarm Prompt	LCD prompt+buzzer

WORKING ENVIRONMENT

Radiation Method	Forced Air Cooling
Working Temperature Range	-5~+40°C
Storage Temperature Range	-20~+70°C
Humidity	Relative Humidity 0-90% (40±2°C)
Elevation	Rated altitude 2000m

SIZE AND WEIGHT

Dimensions/Weight	445*329*540 (mm)/ 25.6kg
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