

ELB300 EV BATTERY PACK CELL EQUALIZER (24 CHANNELS)

LAUNCH
TECH USA
CREATE • CHANGE



The Launch ELB300 Battery Pack Cell Equalizer is a battery maintenance equipment diagnostic tool for EV Batteries and technology. The ELB300 diagnoses numerous issues such as inconsistent cell voltage and individual battery cell capacity variances. The ELB300 is user-friendly and used for maintenance, battery production, research, and development of new EV/Battery enterprises.

FEATURES

- The ability to test and address lithium battery pack with varying voltage levels
- Lithium Batteries can be activated in the Balanced Maintenance Mode.
- By Testing , Voltage and temperature information allows for protection against overcharging and discharging the lithium batteries
- The intelligent balancing function enables the individual batteries to be charged uniformly
- Ability to balance the maintenance parameters customization.
- Ability to set abnormal operating parameters such as voltage, current, and temperature to ensure the safety of the batteries and equipment.
- Supports the functions such as overvoltage, undervoltage, overcurrent, output short circuit, anti reverse protection, and overheating protection.
- Adopting wave width modulation technology with higher efficiency, higher power factor, lower noise, and lower electromagnetic interference.
- 7-inch touch screen with a portable design that is user friendly and accessible.
- Built-in memory, supports the automatic storage of operational records.

SPECIFICATIONS

Power Input	Single-phase AC 90-264V, 40-60Hz
Charging & Discharging Voltage Range	DC 1.8-4.2V
Voltage Measurement Accuracy	±0.1%FS±2mV(maximum range 5V)
Charging & Discharging Current Range	0.1-5A(Max)
Current Measurement Accuracy	±1%FS±0.05A(maximum range 5A)
Battery Temperature Detection Accuracy	±2°C (-25°C+85°C) (Charge and discharge temperature range can be set)
The Number of Modules Supported By A Single Device	2 modules at most, and each module has 12 a maximum of 12 strings of batteries
The Number of Channels	2*12
Charging & Discharging Power	600W MAX
Battery Interface	16Pin, 24Pin
Display	7" capacitive LCD touch screen, 800x480
PC Data Communication	TCP/IP, USB-Device
Wireless Communication	WI-FI & BT (WI-FI external antenna)

Charging Mode	Constant Current Charging + Constant Voltage Charging
Discharging Mode	Constant Current(constant power, constant resistance discharge can be set)
Protection Function	Input overcurrent protection, overvoltage protection; Output overcurrent protection, overtemperature

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	380*275*460 (mm)/ 17kg
-------------------	------------------------