

ELI-24V3130Wh-G49

24V Rechargeable Li Ion battery

General description

- Standard battery size - BCI group 49
- 4 times the energy at 1 hour rate, compared with 12V same size AGM battery
- High energy & high-power density
- Internal BMS & safety switch providing 100% safe and protected pack
- LED State Of Charge Indicator (SOCl)
- CANbus 2.0 communication interface
- Fast charging – approximately 1.5 hours to full charge
- Unique charge current limiter preventing high current surges during charging
- Serial and parallel interconnectivity with additional batteries supporting group operation
- Built-in heater for low temperatures performance



Applications

Marine, RV, automotive, or solar PV

Safety

Internal BMS provides 100% safety from:

- Over-charge and over-discharge
- Over-current during charge and discharge
- Short circuit
- Over/under-temperature
- Automatic heating before charging in low temperatures
- Reverse polarity

Quality System

- ISO-9001:2015
- AS-9100D

Standards

- UN-38.3
- UL-listed (for cells)

MSDS and Disposal

- Check with manufacturer

Electrical

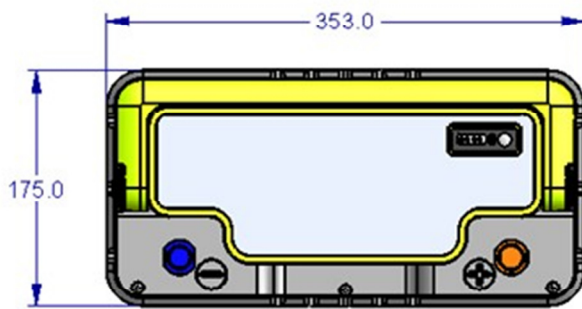
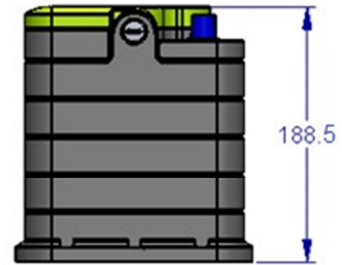
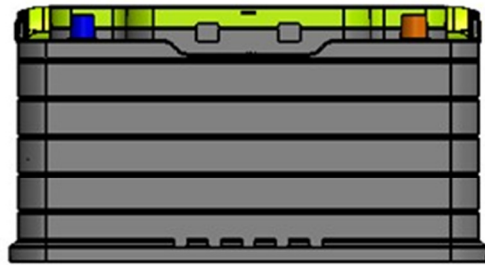
Voltage (Max/Nom/Min)	29.4V / 25.2V / 17.5V
Energy/Capacity	3130Wh / 124Ah
Continuous power/current @ 25°C	3800W / 190A
Peak Power (30 sec)	12kW / 600A
CCA @ -18°C	600A
Typical/Max charging current	62A / 160A
Communication	CANbus 2.0 LED Fuel Gauge
Cycle Life	1000 @ 80% DOD, 23°C

Mechanical

Dimensions L×W×H mm/(in)	353×175×188.5 (13.9×6.9×7.42)
Weight	18 kg
Battery Housing	Plastic
Mounting	B13 hold-down

Environmental

Discharge Temperature	-40°C to 60°C
Storage	-40°C to 71°C (accelerated aging at temperatures > 30°C)
Transportation	Class 9
Ingress Protection	IP67 (without communication)



ELI-24V3130Wh-G49 Discharge vs. Capacity, 23°C

