

ELI-48V3000Wh-G49

48V Rechargeable Li Ion Battery

General description

- Standard battery size - BCI group 49
- Four times the energy of Lead-Acid batteries of a similar size
- High energy & high-power density
- Internal BMS & safety switch
- LED State Of Charge Indicator (SOC)
- CANBUS 2.0 communication interface
- Fast charging – approximately 1.5 hours to full charge
- Serial and parallel interconnectivity with additional batteries supporting group operation
- Built-in heater for low temperature performance



Applications

Marine, recreational vehicles, automotive, industrial applications

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

Quality System

- ISO-9001:2015
- AS-9100D

Standards

- UN-38.3
- UL-listed (for cells)
- CE Safety Declaration
- Compatible with IEC-62133*

MSDS and Disposal

- Check with manufacturer

* With Circuit Breaker - please check with manufacturer

Electrical

Voltage (Max/Nom/Min)	58.8V / 50.4V / 37.0V
Energy/Capacity	3024Wh / 60Ah
Continuous power / current @ 25°C	5.5kW / 120A
Peak Power (30 sec)	12kW / 300A
Typical / Max charging current	30A / 60A
Communication	CANbus 2.0; LED Fuel Gauge (500k; ELI-48V3000Wh-G49A: 250k)
Cycle Life	800 @ 80% DOD, 23°C

Mechanical

Dimensions	353×175×188.5
L×W×H mm/inch	(13.9×6.9×7.42)
Weight	16.5 kg
Battery Housing	Reinforced Polymer
Mounting	B13 hold-down

Environmental

Discharge	-40°C to 60°C
Storage	-40°C to 71°C (accelerated aging at temperatures >30°C)
Transportation	Class 9
Ingress Protection	IP67 (data connectors sealed)

