

TECHNICAL SPECIFICATIONS



FEATURES OF LIFEPO4

- **Longer Cycle Life:** Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.
- **Lighter Weight:** About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.
- **Higher Power:** Delivers twice the power of lead acid batteries with a higher continuous charge or discharge rate while maintaining higher voltage.
- **Wider Temperature Range:** -20°C-60°C.
- **Superior Safety:** Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging, or short circuit.
- **Increased Flexibility:** Modular design enables deployment of up to four batteries in series and up to ten batteries in parallel.

48V 100AH LITHIUM ION BATTERY

ADVANTAGE*

POWER | ENERGY

Nominal Voltage	51.2V
Charge Voltage	57.6V - 58.4V
Peak Discharge (5 Sec)	300A
Continuous Charge / Discharge Rate	100A
Capacity (amp hours)	108AH
Capacity (watt hours)	5184WH
Chemistry	Lithium Iron Phosphate (LiFePO ₄)

ADVANTAGE*

DIMENSIONS | WEIGHT

Group Size	8D
Weight	38KG
Length	525mm
Width	269mm
Height	220mm

ADVANTAGE*

TECHNOLOGY

Usable Capacity (AH)	108AH
Depth of Discharge	>100% DOD
Reserve Minutes @ 20A	300 min
Reserve Minutes @ 50A	120 min
Self Discharge	<3% per mo
Chemistry	Lithium Iron Phosphate (LiFePO ₄)
Cell Type	Prismatic
Modular	Series or Parallel Connection

ADVANTAGE*

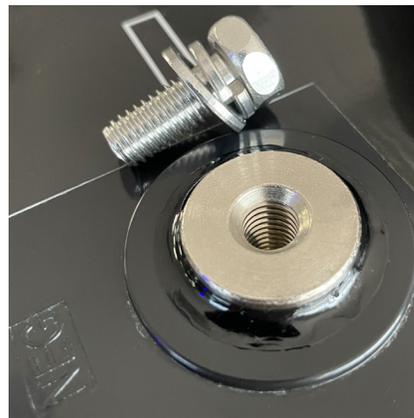
SAFETY | PROTECTION

Automatic Low Voltage Disconnect	40V
Automatic Short Circuit Protection	Instant
Automatic Over Voltage Protection	63.2V
Automatic Reverse Polarity Protection	Instant
Internal Cell Thermal Safety Fuse	Yes
Flame Retardant Electrolyte	Yes
Length Way Circuit Boards	Yes
Automatic Internal Cell Balancing	Yes
Automatic Fault Recovery	Yes
Explosion Proof Stainless Steel Cells	Yes

PHYSICAL SPECIFICATIONS



M8 Terminals



Threaded Bolt