12V U1-50 U1LiFe[™] Series | Technical Data Sheet





Certified to global safety standards



Fast charging within 3 hours



Long shelf life performance with shutdown mode

Automotive grade cells from top tier manufacturers

Electrical Specifications

Cell Chemistry	LiFePO4
Pack Voltage (Nom/Max)	12.8V / 14.4V
Pack Energy	676Wh (52Ah)*
Specific Energy	102Wh/kg
Continuous Power	256W / 20A
Recommended Charge CCCV	20A / 14.4V
Peak Power (<30sec)	358W (28A)
Cycle Life (Based on cell data @ 25°C)	3,000 @ 80% DoD

Compatible Inverters

Tripplite	HC150SL HCINT150SL HC120DC
PowerVar	ABCE150

Operational Specifications

Charge Temp	0°C to 40°C
Discharge Temp	-20°C to 60°C
Storage Temp	-40°C to 60°C
Humidity (Operating)	20% to 80%



Plug & play lead acid replacement

- UL2054 Shock & Vibration + Thermal Propagation Mitigation
- Compatible with many off-the-shelf chargers
- Increased life cycles up to 10X over sealed lead acid



*Usable capacity will depend on charge voltage, the depth of discharge, age, and other environmental conditions. Inventus Power reserves the right to make adjustments to this document at any time, without notice or obligation. All data in this publication is for reference use only. Models may vary from shown.

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Medical Carts

E-Mobility