PYLONTECH RT12100G31
12.8v, 100ah LiFePO4 Battery

Intelligent Controls

Features

- Advanced BMS monitors and protects from over-charge/discharge, excess current and high/low temperatures, while managing the allow to charge/discharge state, balance, and voltage of each individual cell.
- I/O input for ATC & ATD external control.
- CAN bus protocol for closed-loop communication.
- Seamless integration with Victron GX devices.
- Operates as a self-contained, drop in battery when charged at ≥14.0v.
- Built-in heating element with automatic activation and manual control via dry contact, CAN bus, or Bluetooth.
- Connect up to 16 batteries in parallel.
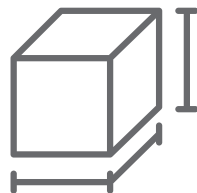- IP67 enclosure, no separate battery box needed.

IP67

Integrated Heating
Each battery contains a heating element to extend operation in freezing environments

UL 1973

Group 31 Size
- L: 12.8"
- W: 6.83"
- H: 9.4"

RT12100G3 Technical Parameters

Nominal Voltage (vdc)	12.8
Discharge Voltage (vdc)	10.8~14.4
Charge Voltage (vdc)	14~14.4
Nominal Capacity (ah)	100
Nominal Capacity (Wh)	1280
Usable Capacity (Wh)	1216
Internal Resistance (mΩ)	<20
Charge/Discharge Current (A)	
Recommended	50
Max. Continuous	100
Peak	200@30sec
Working Temperature	
Charge	32~140°F
Discharge	-4~140°F
Communication	
CAN	500Kbps
RS485	default for console, 115200bps
Bluetooth	BLE5.0
Dry Contact	2 in, 2 out
Single String Quantity (pcs)	16
Short Current/Duration	<1000A/2ms
IP Rating	IP67
Humidity	5%-95% with no condensation
Altitude	13,123'
Design Life	10+Years @ 77°F)
Cycle Life	>4,500 @ 77°F
Depth of Discharge	95%
Dimensions (w/d/h)	12.8" x 6.83" x 9.4"
Weight	26.5 lb
Certification	UL1973/ IEC62619/ IEC/ CE/ FCC/ ROHS/ Telec/ UN38.3