

Lithium-ion battery power system 51.2V100Ah (48100R)

TR48100
GP-5121000-LMT

This series is a complete solution for the lithium iron phosphate battery system for the home energy storage field. There are three types of wall-mounted, vertical structures and rack. The system is safe and reliable. It can be used in home storage, industrial and commercial energy storage and other fields.

Characteristic

- Safe, reliable and long life
- Dynamic identification, automatic paralleling, no need for DIP switches
- Support Bluetooth, mobile APP switching PCS protocol
- CAN/RS485/LAN interface
- Visualization, LCD screen display
- Flexible expansion, the number of parallel machines supports up to 15
- Supports mixed parallel of old and new batteries
- Remote intelligent upgrade maintenance



Panel silkscreen preview



Battery communication interface preview



System Specifications

Voltage(V)	43.2~58.4V
Cell	3.2V100Ah
Module	16S1P
Number of parallel machines	15PCS
Nominal voltage(V)	51.2
Nominal Capacity(Ah)	100
Nominal Energy(kWh)	5.12
Maximum power output(kW)	5.12
Maximum discharge current(A)	100
Maximum charging current(A)	100
Cut-off voltage(V)	• •
Maximum charge voltage(V)	58.4
Cycles(25°C,0.5C,80%DOD)	≥6000
Charging temperature(°C)	0~55
Discharge temperature(°C)	-20~55
Operating humidity	<95%R.H
Communication mode	• • • • • • • •
Dry contact	Customized by demand
Optional modules	Bluetooth,4G module
Product size(W*D*H,mm)	430*442*177
Packing size(W*D*H,mm)	535*527*290
Protection class	IP21
System weight(kg)	Approx 48

Cell characteristic curve

