

TECHNICAL DATA SHEET

51.2V 100Ah



PRODUCT FEATURES



Upto 6000
Cycle Life@25°C



Smart BMS
Intelligent management
& maintenance of battery
systems



Wifi Monitoring
Real time monitoring of
power usage and
battery pack operation



**Multiple Safety
Protection**
DC Breaker



Parallel
Supports parallel
connection of 16 units



Voltage Wake-up
Under off-grid System
Environment

General & Supply Chain Parameters

Internal Model Ref.	LFP 5120MP
Cell Manufacturer	Gotion
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Nominal Energy	5.1 kWh
Life Cycle	Upto 6000 Cycle @80% DOD, 25°C, 0.5C, 70% EOL
Recommended DOD	80%
Standard Warranty	10 Years

Charge & Discharge Specifications

Operating / Range Voltage	44.8V ~ 57.6V
Recommended Charge Voltage	57.6V
Recommended DisCharge Voltage	48V
Recom. Charge Current	50A
Recom. Discharge Current	50A
Max Charge Current	100A
Peak Pulse Discharge	150A (<3s)

Environment & Mechanical Parameters

Charge Temperature	0°C to 55°C
Discharge Temperature	10°C to 55°C
Enclosure IP Rating	IP-20
Net Weight	50 kg
Dimensions (L x W x H)	560 x 450 x 160 mm
Installation Type	Ground / Wall Mount

Features & Connectivity

Parallel Scalability	Up to 16 Units
Hardware Safety	BMS + DC Breaker
Wireless Connectivity	Wi-Fi & Bluetooth
Communication Ports	CAN / RS485
User Interface	Touch Screen LED Interface