



Features:

Lifespan and Warranty

- Long Lifespan
- 10 Years Warranty

Intelligence

- Remote Fault Diagnosis
- Intelligent Operation via RS485
- LED Indication for Status and Alarms

Application:



On Grid



Hybrid



Off Grid

Safety and Reliability

- Fire Safety
- BMS with High Energy Density
- Avoid Over-charging, Over-discharging and High Currents

Performance

- Equalization and Balancing of Each Cell
- Fast Charge
- Increasing Capacity by Module Parallel

Technical Specifications:

Item	Parameters		Note
Nominal Capacity	100Ah		
Nominal Voltage	51.2V		
Charge & Discharge Efficiency	>98%		0.5C Charge; 1C
Self-discharge/month	≤3%		50% SOC
Dimensions	442*470*133(mm)		
Weight	44kg±1kg		
Cycle Life	≥6000		@25℃80%DoD@ 25℃ 60%EOL
Design Life	15+years		@25℃
Discharge Voltage	46.4V ~ 47V		
Charge Voltage	56V ~ 57V		
Standard Charge Current	20A		0.2C
Max. Continuous Charge/ Discharge Current	100A		1C
Peak Charge/Discharge Current	101~120A		@15min
Peak Charge/Discharge Current	121~200A		@10s
Communication	RS485, CAN, RS232		
Battery Cell Technology	Lithium Iron Phosphate		
Enclosure Protection Rating	IP20		
Working Temperature Discharge	-20℃ ~ 60℃		
Working Temperature Charge	0℃ ~ 60℃		
Working Temperature Storage	-5℃ ~ 45℃		
Humidity	5% ~ 95% (RH)		No Condensation
Short Current	<2000A/1ms		
Certification	UN38.3/IEC 62619/IEC 62040/CE/MSDS/CEC		