

PSS LFP series use trustable LiFePO₄ cells, with build-in BMS system. IP65 protection, support series and parallel use, is an ideal choice for outdoor, backup energy storage, marine and other fields.

Features

- . Safest lithium battery technology
- . Lithium iron Phosphate Battery(LiFePO₄)
- . Eco-friendly
- . Special protection plate, supporting parallel
- . Multiple safety protection
- . Intelligent balancing function
- . 20 Years Designed service life

Mechanical Specifications

Case Material	ABS
Cell Type -Chemistry	Prismatic LiFePO ₄
Terminal Type	M8
IP Grade	IP65

BMS Characteristics

Recommended Charge Current	50A
Maximum Charge Current	100A
Maximum Continuous Discharge Current	100A
Recommended Charge Voltage	13.6~13.8V
Max Charge Voltage	14.6V
Overcharge Protection Voltage	14.8~15.2V
Charge Mode	CC/CV
Discharge Cut-off Voltage Range	11.2V

Basic Performance

Nominal Voltage	12.8V
Nominal Capacity	100Ah
Standard Discharge Time	100A @60min
Energy	1.28K Wh
IR	<= 15mΩ
Self Discharge	<=2%/Month
Cells	Square 100Ah
Cycle Life	2500 times (1C/1C)
Size	306*169*215
Weight	10.5

Compliance

Certifications	CE/UN38.3/UL1642/IEC62133
Transport Appraisal	UN3480,CLASS 9



Charge Performance

Rated Charge Current	50A
Maximum Charge Current	100A
Rated Charge Voltage	13.6~13.8V
Charge Cut-off Voltage	> 14.8V(0.5~1.5S)
Reconnect Voltage	<14.4V
Balancing Voltage	<14V
System Series	<=6

Discharge Performance

Rated Discharge Current	100A
Pulse Current(<=5S)	600A
Rated Discharge Cut-off Voltage	11.2V
Minimum Discharge Cut-off Voltage	>10V
Reconnect Voltage	>10.4V
Short Circuit Protection	200~600 μs
Short Circuit Current	Approx. 1200A

Temperature Performance

Discharge Temperature	-20~60°C
Charge Temperature	0~45°C
Storage Temperature	-5~35°C
High Temperature Cut-off	65°C
Reconnect Temperature	48°C

Size

