

Acid Replacement Battery



SIB - 100AH - 12 - L

L: Lithium ion battery

Rated voltage

Capacity

SIB: Battery

Model	SIB-100AH-12-L	SIB-200AH-12-L	SIB-100AH-24-L
MAIN PARAMETERS			
Nominal Voltage	12.8V	12.8V	25.6V
Nominal Capacity	100Ah(@25°C@0.2C)	200Ah(@25°C@0.2C)	100Ah(@25°C@0.2C)
Nominal Energy	1280Wh	2560Wh	2560Wh
Cells Type/ Chemistry	Prismatic-LiFePO4	Prismatic-LiFePO4	Prismatic-LiFePO4
Dimension: D*W*H	260* 167 * 210mm	502* 186 * 243mm	502* 186 * 243mm
Reference Weight	11kg	22kg	22kg
Case Materials	ABS	ABS	ABS
Bluetooth	Bluetooth access to show functions like (capacity, voltage,current, cycles, SOC, SOH, cell voltage, temperature, status)		
ELECTRIC FEATURES			
Charge method	CC/CV	CC/CV	CC/CV
Charge voltage range	14.3~14.6V	14.3~14.6V	28.6~29.2V
Max continuous discharge current	100A	200A	100A
Max continuous charge current	100A	200A	100A
Discharge Pulse Current(10seconds)	150A	300A	150A
Discharge cut off voltage	12V	12V	24V
OPERATION ENVIRONMENT			
Charge Temp	0°C~60°C	0°C~60°C	0°C~60°C
Discharge Temp	-20°C~60°C	-20°C~60°C	-20°C~60°C
Storage Temp	-20°C~60°C	-20°C~60°C	-20°C~60°C
Protection Level	IP65	IP65	IP65
BMS SPEC			
Charging voltage	3.65V/Cell	3.65V/Cell	3.65V/Cell
Balancing voltage	3.45V/Cell	3.45V/Cell	3.45V/Cell
Max continuous charge current	100A	200A	100A
Max continuous discharge current	100A	200A	100A
Over charge detection voltage	3.75±0.05V	3.75±0.05V	3.75±0.05V
Over charge detection delay voltage	1~3S	1~3S	1~3S
Over charge release voltage	3.6±0.05V	3.6±0.05V	3.6±0.05V
Over discharge detection voltage	2.5±0.05V	2.5±0.05V	2.5±0.05V
Over discharge detection delay voltage	1~3S	1~3S	1~3S
Over discharge release voltage	2.70±0.10V	2.70±0.10V	2.70±0.10V
Over discharge current protection Detection	180A	325A	180A
Delay time	50~150mS	50~150mS	50~150mS
Over charge detection current	100A	220A	100A
Detection delay time	300~800mS	300~800mS	300~800mS
Short Circuit Protection Current	500A,External short circuit	500A,External short circuit	500A,External short circuit
Detection delay time	400uS	400uS	400uS
Release condition	Cut load and charging	Cut load and charging	Cut load and charging
Over-temperature protection	65±5°C	65±5°C	65±5°C
Release temperature	50±5 ° C	50±5 ° C	50±5 ° C