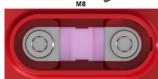


LIFEPO4 LITHIUM BATTERY

S24-100LFP









Series	S-Series LFP	Warranty	See Warranty Terms	
Volts	24	BCI	G49	
Terminal Type		М8		
Included Hardware		M8 stainless b	M8 stainless bolts & washers	
Charge				
	,			

Charge				
Charge Voltage Range	28.0 - 29.2V			
Recommended End of Discharge Voltage	24.0 V			
End of Discharge Protection Voltage	20.0 V			
Recommended Charge Voltage	28.8 V			
Recommended Charge Current				
-20~0°C (-4-50°F)	0.1C	10A		
0~10°C (32-50°F)	0.2C	20A		
10~35°C (50-95°F)	0.5C	50A		
35~50°C (95-122°F)	0.2C	20A		

Charge Mode:

- Charge at recommend voltage & current by temperature until charge current drops to ≤ 0.05C (CC,CV)
 DO NOT USE TEMPERATURE COMPENSATION
- No BTS (Battery Temperature Sensor)

Max Continuous Charge Current	100 A	
Max Continuous Discharge Current	100 A	
Surge Current Limit	800 A (300ms)	
Charge Temperature Range	-20°C~55°C (-4~131°F)	
Discharge Temperature Range	-20°~60°C (-4~140°F)	
Storage Temperature Range	-5°~45°C (23~113°F)	

Capacity	
Nominal Capacity	100 AH
Total Energy	2.56 kWh
Nominal Voltage	25.6 V

Safety

- Cylindrical LiFePO4 cells [ITR26-70/40E 4Ah, 26700] (UL1642)
- IEC62133 (cell), IEC62619(cell), UN38.3 (cell/pack)
- ROHS (cell), CE system certification, IP65 Rating

Design

- Standard-size (BCI) ABS container for easy VRLA replacement
- Fast charge/discharge performance
- Display & integrated controls
- Visual state-of-charge (SOC)
- External fuse access
- Internal heating for -20°C(-4°F)~0°C(32°F) charging
- Bluetooth Connectivity & dedicated App
- Maintenance-free operation

Battery Management System (BMS)

- Integrated hardware BMS inside
- Independent charge & discharge protection
- **Balance Protection**
- Short-Circuit Protection, Over-Voltage Protection, Low-Voltage Protection, Over-Current Protection, Low-Temperature Protection, Over-Temperature Protection

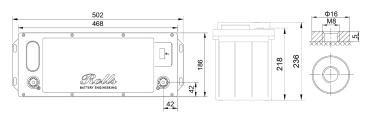
24V LFP Profile

Specifications				
Certified System Pedololos	Weight	23.5 kg	51.8 lbs	
	Length	50.2 cm	19.76"	
	Width	18.5 cm	7.28"	
ISO 9001 Quality	Height Inc. Term.	23.6 cm	9.29"	

Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process & battery components.

Container	ABS
Cover	ABS
Handles	Rope / Plastic Handle
Internal BMS Model	8S100ATX-V2
Expected Cycle Life	>6000 @ 80% DOD, >3000 @ 100% DOD
Series Connection	2 UNITS MAX (48V)
Parallel Connection	4 UNITS MAX (48V) or 6 UNITS MAX (24V)
Connectivity	Up to 2S4P (in 48V configuration) or 1S6P (in 24V configuration)

Detailed Illustration





ISO9001



ISO14001







