

Series	S-Series LFP	Warranty	See Warranty Terms	
Volts	24	Design	Grp 49	
Terminal Type		M8		
Included Hardware		M8 stainless b	M8 stainless bolts & washers	

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			
Naminal Canacity	100 411		

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

Safety

- Cylindrical LiFePO4 cells [ITR26-70/46E 4.6Ah, 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) to 0°C (32°F) charging *
- Bluetooth Connectivity & dedicated IOS & Android App
- Maintenance-free operation

* Note: When connected in series, internal heating may increase charge imbalance requiring external rebalancing.

Refer to R-Series & S-Series LFP Battery Operating Manual

Battery Management System (BMS)

- Integrated hardware BMS inside
- Independent charge & discharge protection
- **Balance Protection** ٠
- Short-Circuit Protection, Over-Voltage Protection, Low-Voltage Protection, . Over-Current Protection, Low-Temperature Protection, Over-Temperature Protection

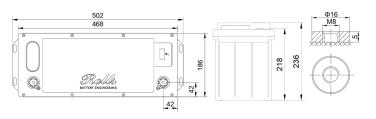
24V LFP Profile

Specifications				
Weight	20.3 kg	44.8 lbs		
Length	502 mm	19.76"		
Width	185 mm	7.28"		
Height	236 mm	9.29"		
Height Incl. Term.	236 mm	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





