

Series	S-Series LFP	Warranty	See Warranty Terms	
Volts	24	Design	8D	
Terminal Type		M8		
Included Hardware		M8 stainless b	M8 stainless bolts & washers	

Mo staniess t	JUILS &	1
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	15A
0~10°C (32-50°F)	0.2C	30A
10~35°C (50-95°F)	0.5C	75A
35~50°C (95-122°F)	0.2C	30A

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	150 A	
Max Continuous Discharge Current	150 A	
Surge Current Limit	900 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	150 AH
Total Energy	3.84 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

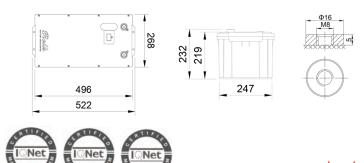
24V LFP Profile

Specifications		
Weight	30.0 kg	66.1 lbs
Length	522 mm	20.55"
Width	268 mm	10.55"
Height	219 mm	8.62"
Height Incl. Term.	232 mm	9.13"

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	8S150ATX-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



CE

ROHS

ISO9001

ISO14001

OHSAS18001

Rev.#2 | July 2024