

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

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:

Nominal Voltage

 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				
<b>T</b>	2.04.114				

## Total Energy 3.84 kWh

# 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)~0°C(32°F) charging
- Bluetooth Connectivity & dedicated IOS & Android 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

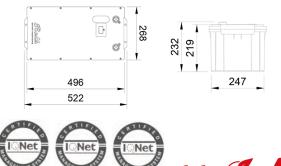
#### 24V LFP Profile

Specifications				
stem	Weight	34.5 kg	76 lbs	
Certified System	Length	52.2 cm	20.55"	
SAI GLOBAL	Width	26.8 cm	10.55"	
ISO 9001 Quality	Height Inc. Term.	23.2 cm	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**



ISO9001 ISO14001







Rev.#2 | February 2024