

Series	R-Series LFP	Warranty	See Warranty Terms
Volts	36	BCI	G31
Terminal Type		M8	
Included Hardware		M8 stainless bolts & washers	

Charge

Charge Voltage Range	42.0 - 43.8V	
Recommended End of Discharge Voltage	36.0 V	
End of Discharge Protection Voltage	30.0 V	
Recommended Charge Voltage	43.2 V	
Recommended Charge Current		
0~10°C (32~50°F)	0.2C	10A
10~35°C (50~95°F)	0.5C	26A
35~50°C (95~122°F)	0.2C	10A

Charge Mode:

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

Max Continuous Charge Current	26 A
Max Continuous Discharge Current	52 A
Surge Current Limit	500 A (300ms)
Charge Temperature Range	0°C~55°C (32~131°F)
Discharge Temperature Range	-20°~60°C (-4~140°F)
Storage Temperature Range	-5°~45°C (23~113°F)

Capacity

Nominal Capacity	52 AH
Total Energy	2.0 kWh
Nominal Voltage	38.4 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
- Maintenance-free operation
- Bluetooth Connectivity & dedicated IOS & Android App

Battery Management System (BMS)

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

36V LFP Profile

Specifications			
 SAI GLOBAL ISO 9001 Quality	Weight	16.5 kg	36.4 lbs
	Length	33.0 cm	13"
	Width	17.3 cm	6.81"
	Height Inc. Term.	21.9 cm	8.62"

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	12S60A
Expected Cycle Life	>6000 @ 80% DOD, >3000 @ 100% DOD
Series Connection	1 UNITS MAX
Parallel Connection	6 UNITS MAX

Detailed Illustration

