







**GOLF & LIGHT EV** 

Series	<b>R-Series LFP</b>	Warranty	See Warrant	y Terms
Volts	48	BCI		
Terminal Type		M8		
Included Hardware		M8 stainless	bolts & washers	
		Charge		
Charge Voltage Range			56.0 - 58.4V	
Recommended End of Discharge Voltag		ge Voltage	48.0 V	
End of Discharge Protection Voltage		oltage	40.0 V	
Recommended Charge Voltage		e	57.6 V	
Recommended Charge Current				
0~10°C (32-50°F)			0.2C	21A
10~35°C (50-95°F)			0.5C	52A

### Charge Mode:

Charge at recommend voltage & current by temperature until charge current

0.2C

21A

drops to  $\leq$  0.05C (CC,CV)

35~50°C (95-122°F)

• DO NOT USE TEMPERATURE COMPENSATION

No BTS (Battery Temperature Sensor)

Max Continuous Charge Current Max Continuous Discharge Current	100 A 200 A	
Surge Current Limit	900 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	105 AH
Total Energy	5.38 kWh
Nominal Voltage	51.2 V

#### Safety

- Prismatic LiFePO4 cells (UL1642) (UL2580)
- 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

# Battery Management System (BMS)

- Integrated hardware BMS inside
- Independent charge & discharge protection
- 48V surge current limits 300Å (30 sec), 500Å (3 sec)
- Short-Circuit Protection, Over-Voltage Protection, Low-Voltage Protection, Over-Current Protection, Low-Temperature Protection, Over-Temperature Protection

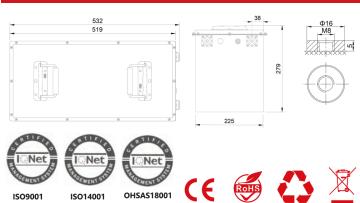
## 48V LFP Profile

Specifications					
stem	Weight	45 kg	99.2 lbs		
Certified System	Length	51.9 cm	20.4"		
SAI GLOBAL	Width	25.0 cm	9.84"		
ISO 9001 Quality	Height Inc. Term.	26.5 cm	10.43"		
Product measurements & weights are calculated based on sample data. Individual specifications					

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

Container (Outer)	METAL
Handles	Integrated Top Mount
Internal BMS Model	16S200A
Expected Cycle Life	>6000 @ 80% DOD, >3000 @ 100% DOD
Series Connection	1 UNIT MAX
Parallel Connection	4 UNITS MAX

# **Detailed Illustration**



Rev.#1 | July 2023