

# **SOLAR SAGM 06 220**

MODEL	SAGM 06 220
VOLTAGE	6
CAPACITY	220Ah @ 20Hr
MATERIAL	Polypropylene
BATTERY	VRLA AGM / Non-Spillable / Maintenance-Free
COLOR	Maroon
WATERING	No Watering Required
IEC 61427	8+ Years Life





# 6 VOLT

## **PHYSICAL** SPECIFICATIONS

MODEL NAME	TERMINAL TYPE D	DIMENSIONS <sup>B</sup> INCHES (mm)			WEIGHT F LBS. (kg)	HANDLES	INSTALLATION ORIENTATION
SAGM 06 220 M8/LT	LENGTH	WIDTH	HEIGHT <sup>c</sup>		Embedded	Horizontal and Vertical	
	10.30 (262)	7.06 (179)	10.73 (273)	68 (31)			

# **ELECTRICAL** SPECIFICATIONS

VOLTAGE		CA	PACITY <sup>A</sup> AMP-HOURS	(Ah)		ENERGY (kWh)	INTERNAL RESISTANCE (m $\Omega$ )	SHORT CIRCUIT CURRENT (amps)
G	10-Hr	20-Hr	48-Hr	72-Hr	10 <b>0-Hr</b>	<b>10</b> 0-Hr	10	2250
0	190	220	228	231	235	1.32	1.9	3250

## **CHARGING** INSTRUCTIONS

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)					
SYSTEM VOLTAGE	6V	12V	24V	36V	48V
Maximum Charge Current (A)	20% of C <sub>20</sub>				
Absorption Voltage (2.40 V/cell)	7.20	14.40	28.80	43.20	57.60
Float Voltage (2.25 V/cell)	6.75	13.50	27.00	40.50	54.00

Do not install or charge batteries in a sealed or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.

# **CHARGING TEMPERATURE** COMPENSATION

ADD	SUBTRACT	
0.005 volt per cell for every 1°C below 25°C 0.0028 volt per cell for every 1°F below 77°F	0.005 volt per cell for every 1°C above 25°C 0.0028 volt per cell for every 1°F above 77°F	
OPERATIONAL DATA		
OPERATING TEMPERATURE	SELF DISCHARGE	

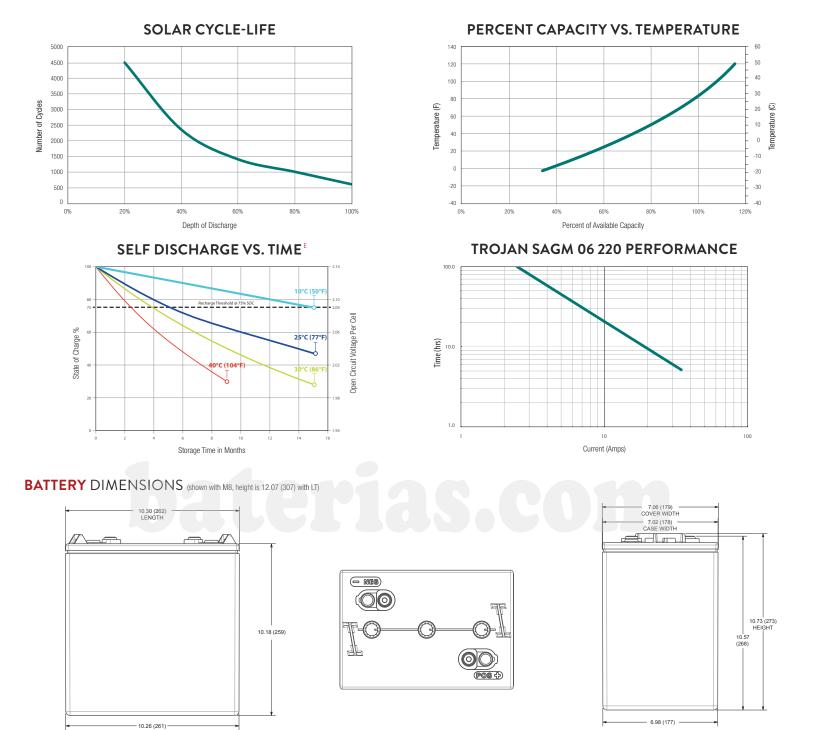
	SEE DISCHARGE
-4°F to 122°F (-20°C to +50°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.	Less than 3% per month depending on storage temperature conditions.

# **RECYCLE** RESPONSIBLY

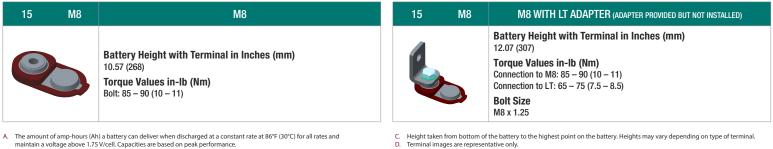


## **STATE OF CHARGE** MEASURE OF OPEN-CIRCUIT VOLTAGE

PERCENTAGE CHARGE	CELL	6 VOLT
100	2.14	6.42
75	2.09	6.27
50	2.04	6.12
25	1.99	5.97
0	1.94	5.82



#### **TERMINAL** CONFIGURATIONS<sup>®</sup>



E. F.

Weight may vary.

Terminal images are representative only. A boost charge should be performed every 6 months when batteries are in storage.

The amount of amp-hours (Ah) a battery can deliver when discharged at a constant rate at 86°F (30°C) for all rates and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance. Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 inches

В (12.7 mm) spacing minimum.



TROJAN

Designed in compliance with applicable BCI, DIN, BS and IEC standards. Tested in compliance to BCI and IEC standards.

#### 800.423.6569 / +1.562.236.3000 / trojanbattery.com

© 2019 Trojan Battery Company, LLC. All rights reserved. Trojan Battery Company is not liable for damages that may result from any information provided in or omitted from this publication, under any circumstances. Trojan Battery Company reserves the right to make adjustments to this publication at any time, without notice or obligation.