

# **SOLAR SAGM 08 165**

MODEL	SAGM 08 165
VOLTAGE	8
CAPACITY	165Ah @ 20Hr
MATERIAL	Polypropylene
BATTERY	VRLA AGM / Non-Spillable / Maintenance-Free
COLOR	Maroon
WATERING	No Watering Required
IEC 61427	8+ Years Life





## **8 VOLT**

#### **PHYSICAL** SPECIFICATIONS

MODEL NAME	TERMINAL TYPE D	DIMENSIONS <sup>B</sup> INCHES (mm)		WEIGHT F LBS. (kg)	HANDLES	INSTALLATION ORIENTATION	
SAGM 08 165 N		LENGTH	WIDTH	HEIGHT <sup>c</sup>	70 (32)		Horizontal and Vertical
	M8/LT	10.30 (262)	7.06 (179)	10.73 (273)		70 (32) Embedded	

## **ELECTRICAL SPECIFICATIONS**

VOLTAGE	AGE CAPACITY * AMP-HOURS (Ah)		ENERGY (kWh)	INTERNAL RESISTANCE (m $\Omega$ )	SHORT CIRCUIT CURRENT (amps)			
	10-Hr	20-Hr	48-Hr	72-Hr	100-Hr	20-Hr	2.0	0700
ð	145	165	168	171	174	1.32	3.0	2780

## **CHARGING** INSTRUCTIONS

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)				
SYSTEM VOLTAGE	8V	48V		
Maximum Charge Current (A)	20% of C <sub>20</sub>			
Absorption Voltage (2.40 V/cell)	9.60	28.80	57.60	
Float Voltage (2.25 V/cell)	9.00	27.00	54.00	
	1			

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	

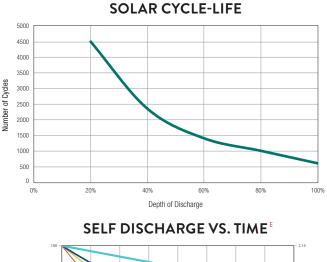
-4°F to 122°F (-20°C to +50°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.	Less than 3% per month depending on storage temperature conditions.

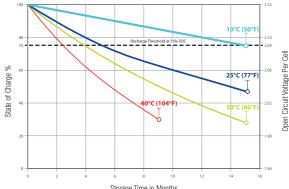
## **RECYCLE** RESPONSIBLY



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

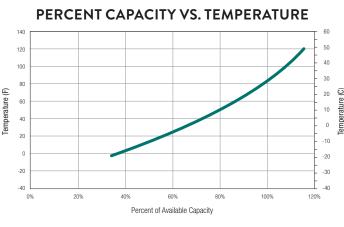
PERCENTAGE CHARGE	CELL	8 VOLT
100	2.14	8.56
75	2.09	8.36
50	2.04	8.16
25	1.99	7.96
0	1.94	7.76



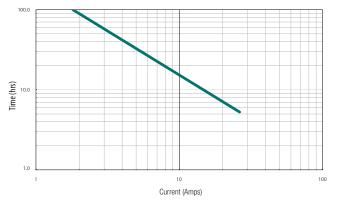


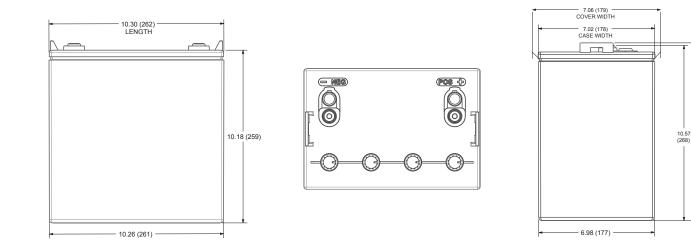
#### Storage Time in Months

#### BATTERY DIMENSIONS (shown with M8, height is 12.07 (307) with LT)

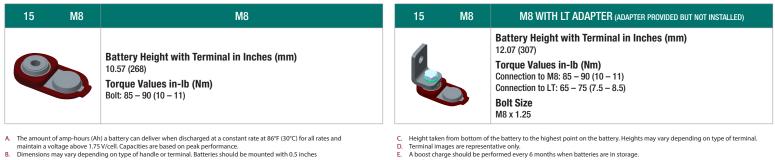


#### **TROJAN SAGM 08 165 PERFORMANCE**





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



E. F.

Weight may vary.

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

(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

10.73 (273) HEIGHT

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