

SOLAR SAGM 06 315

MODEL SAGM 06 315

VOLTAGE 6

CAPACITY 315Ah @ 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 ^B INCHES (mm)			WEIGHT F LBS. (kg)	HANDLES	INSTALLATION ORIENTATION
SAGM 06 315		LENGTH	WIDTH	HEIGHT ^c	/.a.\	Braided Rope	Horizontal and Vertical
	M8/LT	11.66 (296)	6.94 (176)	13.99 (355)	95 (43)		

ELECTRICAL SPECIFICATIONS

VOLTAGE	CAPACITY A AMP-HOURS (Ah)			ENERGY (kWh)	INTERNAL RESISTANCE (mΩ)	SHORT CIRCUIT CURRENT (amps)		
G	10-Hr	20-Hr	48-Hr	72-Hr	100-Hr	20-Hr	1.7	3600
0	278	315	326	331	335	1.89	1.1	

CHARGING INSTRUCTIONS

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)					
SYSTEM VOLTAGE	6V	12V	24V	36V	48V
Maximum Charge Current (A)	20% of C ₂₀				
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		
-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



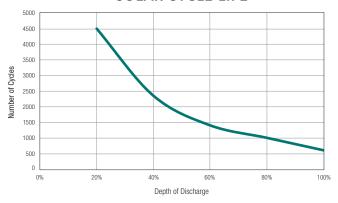




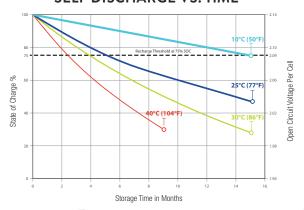
STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

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

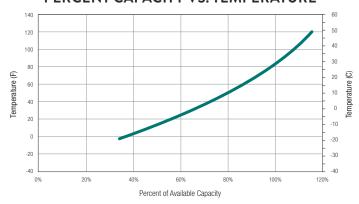
SOLAR CYCLE-LIFE



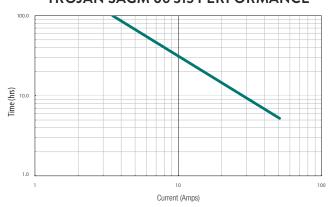
SELF DISCHARGE VS. TIME



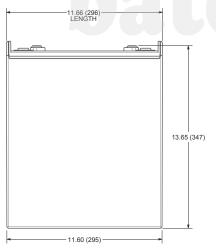
PERCENT CAPACITY VS. TEMPERATURE

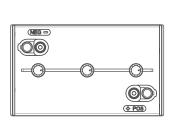


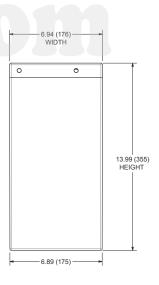
TROJAN SAGM 06 315 PERFORMANCE



BATTERY DIMENSIONS (shown with M8, height is 15.15 (385) with LT)



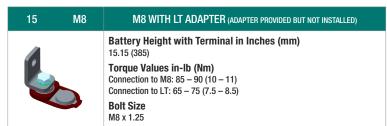




TERMINAL CONFIGURATIONS^D

15	M8	M8
		Battery Height with Terminal in Inches (mm) 10.57 (268) Torque Values in-Ib (Nm) Bolt: 85 – 90 (10 – 11)

- 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.



- $Height taken from \ bottom \ of \ the \ battery \ to \ the \ highest \ point \ on \ the \ battery. Heights \ may \ vary \ depending \ on \ type \ of \ terminal.$
- Terminal images are representative only.

 A boost charge should be performed every 6 months when batteries are in storage.
- Weight may vary.













