

Battery Specifications

SPECIFICATIONS	
Technology	AGM, VRLA deep cycle battery
Nominal Voltage	6V
Rated Capacity 77°F (25 ±5 °C)	224 Ah/11.2A; 194 Ah/19.4A; 179 Ah/ 35.9A
Capacity Correction for Temperature Variations	104°F (40°C) 103% 77°F (25°C) 100% 32°F (0°C) 86%
Maximum Discharge Current	2000 A (5s)
Specific Energy Density	44.07 Wh/kg
Volumetric Energy Density	116.27 Wh/L
Internal Resistance	Approx. 1.4mΩ
Terminals	T11 Torque: 11 ~ 14.7 Nm (97.28 - 130 in*lbs)
Cycle Life 77°F (25°C)	100% Depth of Discharge ~ 250 cycles 50% Depth of Discharge ~ 1100 cycles 30% Depth of Discharge ~ 2250 cycles
Certifications	UL; CE; IEC60896-21 & 22
Temperature Range	Charge: 0~40°C (32~104°F)
	Discharge: -15~50°C (5~122°F)
	Storage: -15~40°C (5~104°F)
Cycle Use	Initial Charging Current less than 30.0 A Voltage: 7.2 V~7.4 V at 77°F (25°C) Temp. Coefficient -30mV/°C
Standby Use	No limit on Initial Charging Current Voltage: 6.8 V~6.9 V at 77°F (25°C) Temp. Coefficient -20mV/°C
Self Discharge	Batteries can be stored for up to 6 months before a freshening charge is required. *Batteries stored at temperatures greater than 77°F (25°C) will require a recharge sooner.



GP-AGM-224-6V AGM Battery Quick Start Guide



WARNINGS

- Risk of fire if battery not installed correctly.
- Use caution with metallic objects near battery terminals.
- Keep terminals protected to prevent accidental shorting.
- Disconnect immediately if battery excessively hot or making hissing sounds.
- Replace any battery that has signs of damage to the terminals, case or cover.
- Do not overcharge or overdischarge battery .

Length	10.24 in / 260 mm
Width	7.09 in / 180 mm
Height	9.72 in / 247 mm
BCI Group #	27
Weight	67.25 lbs / 30.5 kg
Carrying	Nylon Strap

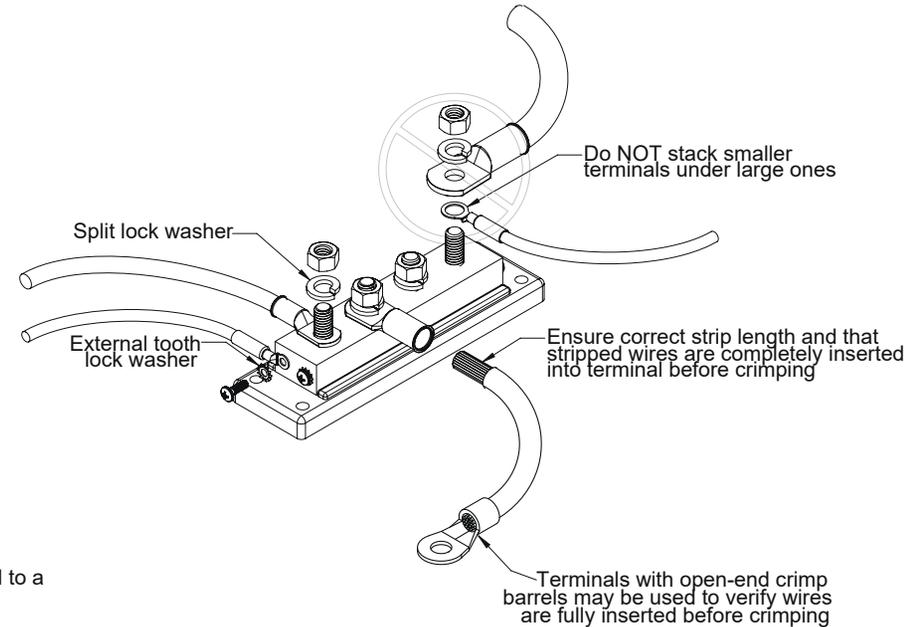
Find tech tips, manuals and support at gpelectric.com

Wiring Guide

The illustrations below show how to properly wire AGM batteries.

Battery Bank Terminal Connections

All battery interconnects, busbar and device connections to resist vibration by using nylon insert lock nuts, thread locking fluid, or lock washers (split lock or external tooth).



12V 224Ah AGM Battery Bank Series Connection

Note: New batteries should never be connected to old batteries. All batteries should be charged to a minimum of 6.5V before connecting them together

