

Battery Specifications

SPECIFICATIONS	
Technology	AGM, VRLA deep cycle battery
Nominal Voltage	12 V
Rated Capacity 77°F (25 ±5 °C)	110.0 Ah/1.10A; 100.0 Ah/5.00A; 95.2 Ah/ 9.52A; 83.0 Ah/16.6A
Capacity Correction for Temperature Variations	104°F (40°C) 103% 77°F (25°C) 100% 32°F (0°C) 86%
Maximum Discharge Current	1200 A (5s)
Specific Energy Density	43.14 Wh/kg
Volumetric Energy Density	124.45 Wh/L
Internal Resistance	Approx. 4.9mΩ
Terminals	T14 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: 14.4 V~15.0 V at 77°F (25°C) Temp. Coefficient -30mV/°C
Standby Use	No limit on Initial Charging Current Voltage: 13.5 V~13.8 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-100-12V 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	12.01 in / 305 mm
Width	6.61 in / 168 mm
Height	8.15 in / 207 mm
BCI Group #	27
Weight	67.5 lbs / 30.6 kg
Carrying	Integrated flush mount handles

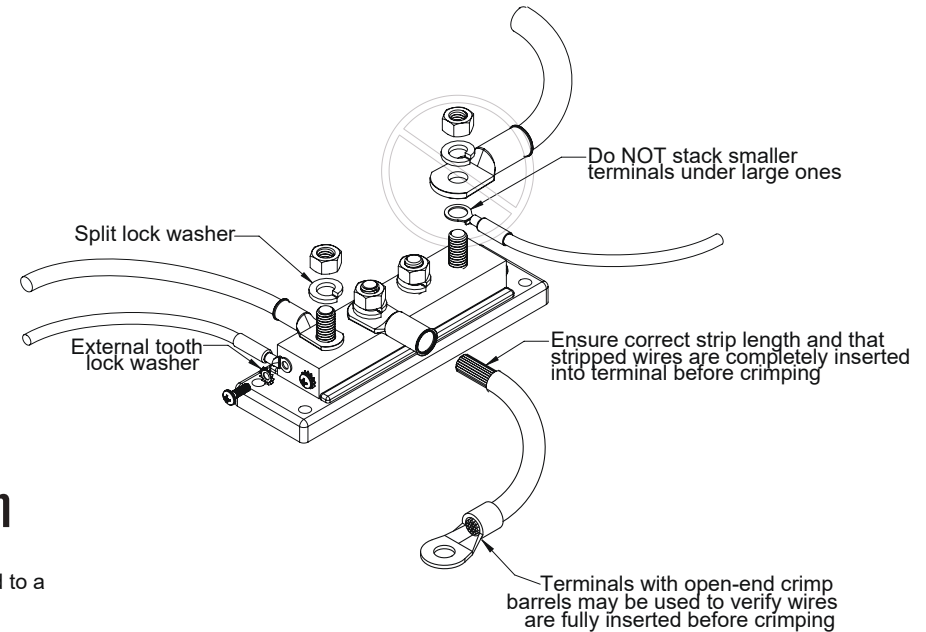
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Wiring Guide

The illustrations below show how to properly wire AGM batteries.

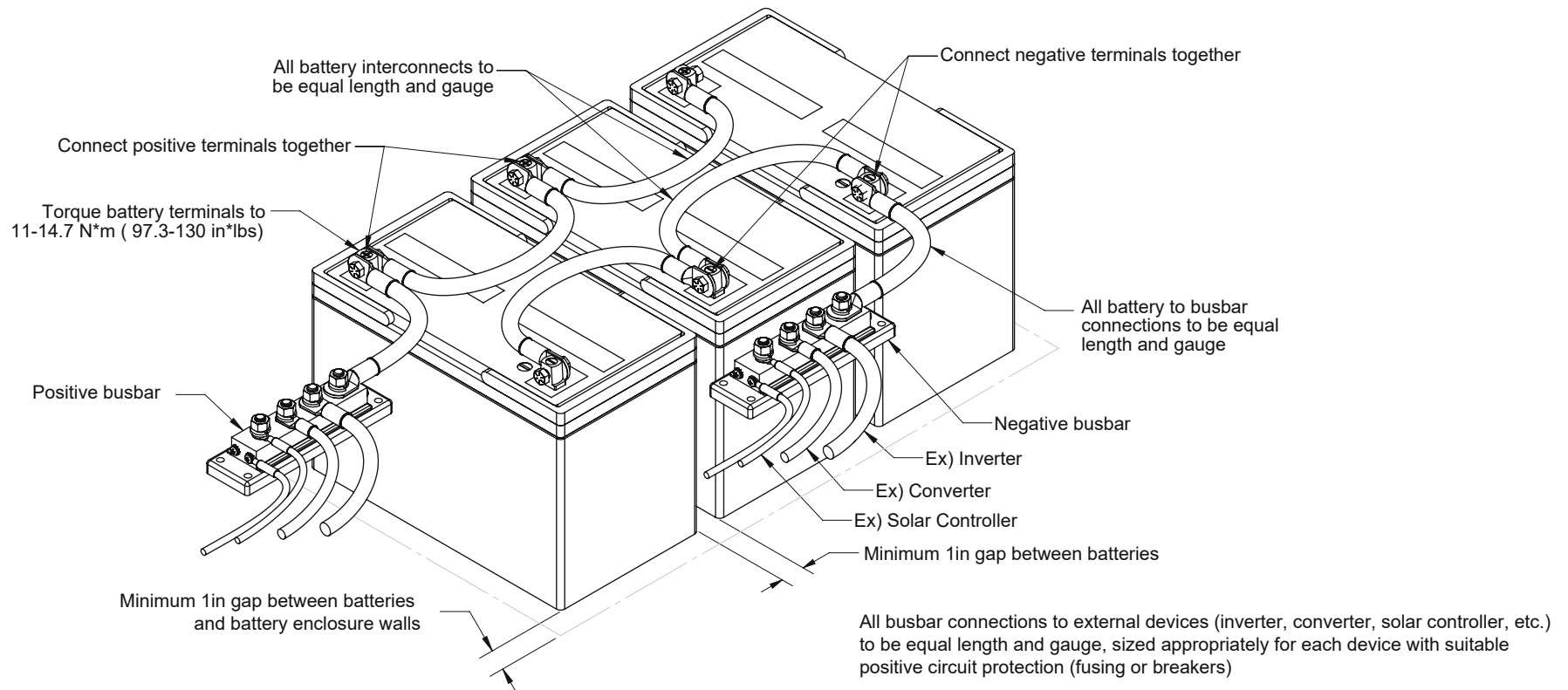
Battery Bank Terminal Connections

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 300Ah AGM Battery Bank Parallel Connection

Note: New batteries should never be connected to old batteries. All batteries should be charged to a minimum of 13V before connecting them together



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