

BATTERY SPECIFICATIONS

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Technology	AGM, VRLA deep cycle battery
Nominal Voltage	6V
Nominal Capacity	225 Ah
Terminals	F14 (M8)
Internal Resistance	≤1.9 mΩ (Full Charge Condition @77°F (25°C))
Maximum Discharge Current	2250A (5 sec)
Reference Capacity	C3 168.8Ah, C5 191.3Ah, C10 214.3Ah, C20 225.0Ah
Temperature Range	Charge: 0~50°C (32~122°F) Discharge: -20~60°C (-4~140°F) Storage: -20~60°C (-4~140°F)
Cycle Use	Initial Charging Current less than 30.0 A Voltage: 7.3 V~7.4 V at 77°F (25°C) Temp. Coefficient -3mV/°C/Cell
Cold Cranking Amps (CCA)	1035
Float Charging Voltage	6.80 V~6.90V @ 77°F (25°C) Temperature Compensation: -4mV/°C/Cell
Standby Use	No limit on Initial Charging Current Voltage: 6.8 V~6.9 V at 77°F (25°C)
Self Discharge	Batteries can be stored for up to 6 months at 77°F (25°C) before a freshening charge is required. Monthly Self-discharge ratio is less than 3% at 80°F (25°C). Please charge batteries before using.
Cycle Life 77°F (25°C)	100% Depth of Discharge ~ 350 cycles 50% Depth of Discharge ~ 650 cycles 30% Depth of Discharge ~ 1650 cycles

SAFETY

The Sun Cycle AGM solar battery is not hazardous when used according to instructions and under normal conditions. Improper use may cause fire, heat, explosion, and leakage of acid electrolyte.

Wear protective clothing, gloves and goggles when handling a damaged battery. Avoid skin contact with electrolyte. If battery electrolyte comes in contact with skin or eyes, immediately flush with water and contact a medical professional.



GP-AGM-225-6V 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	9.57 in / 243 mm
Width	7.36 in / 187 mm
Height	10.8 in / 275 mm
BCI Group #	GC2
Weight	70.5 lbs / 32 kg

CHARGING INSTRUCTIONS

Use a battery charger compatible with AGM batteries or with AGM setting for charging Sun Cycle AGM batteries. The charger must display the appropriate safety and certification marks for your country (e.g. UL, CSA)

WIRING GUIDE

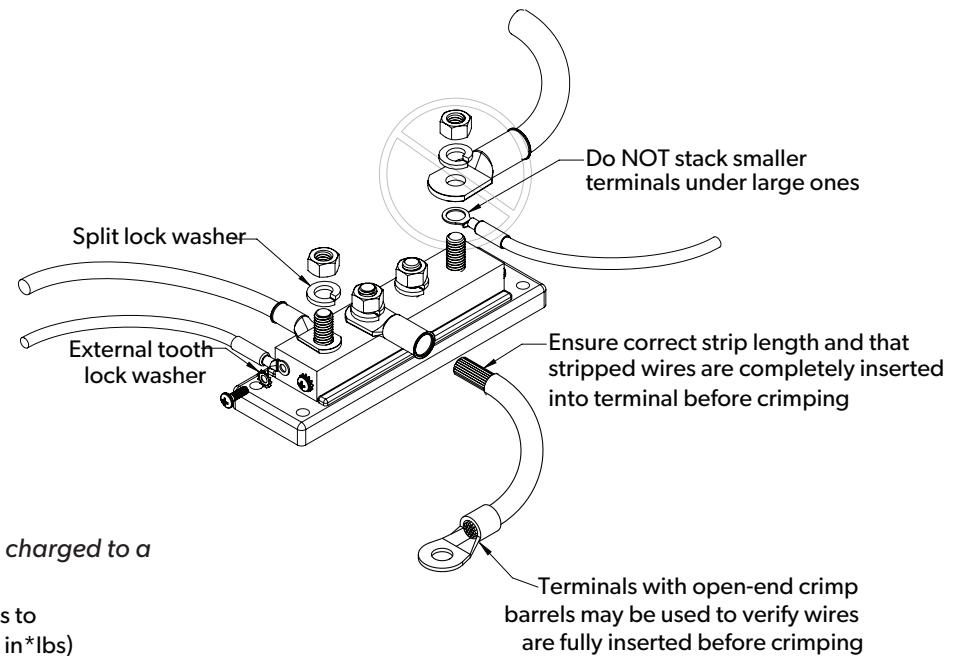
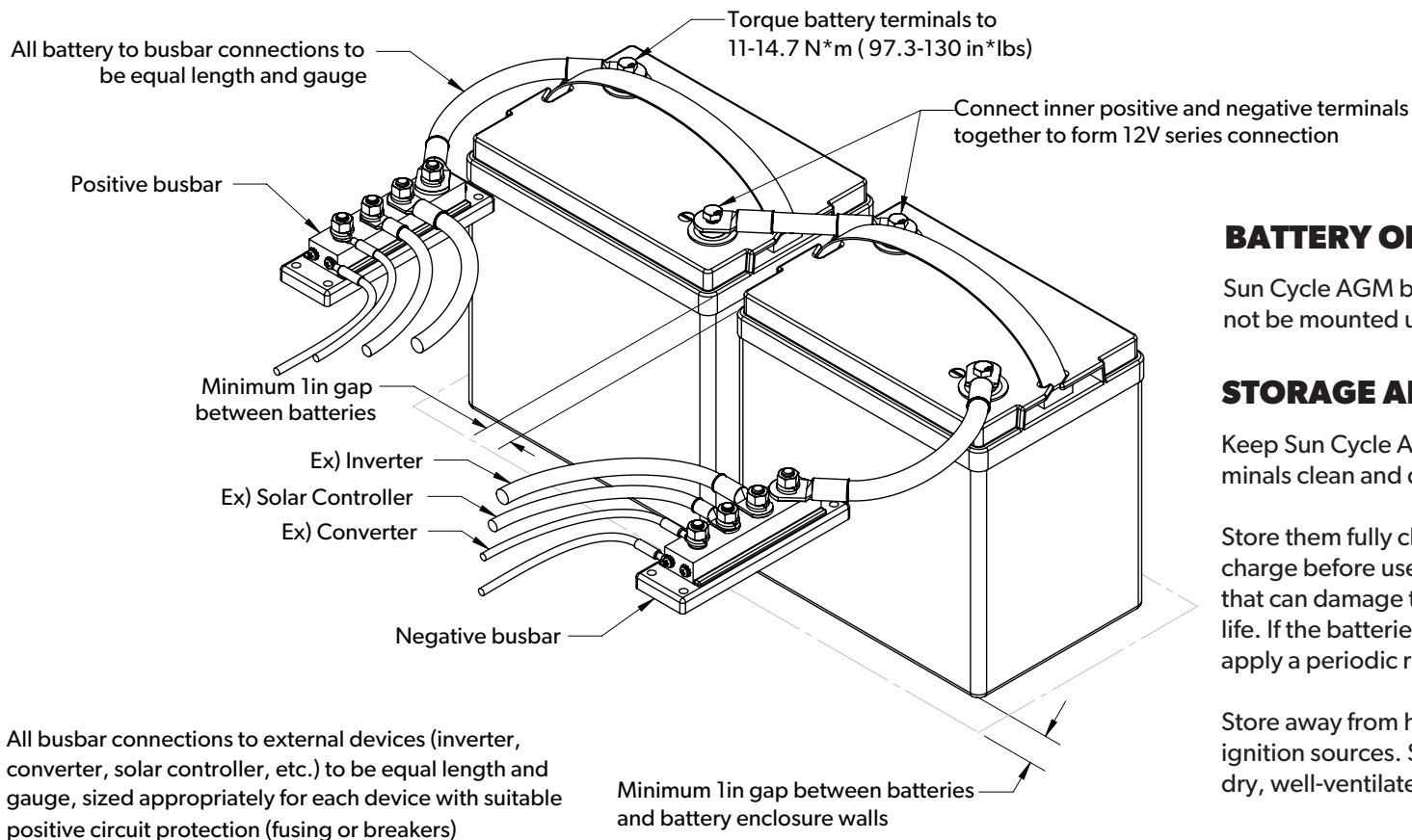
The illustrations below show how to properly wire AGM batteries.

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).

6V 225AH 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



BATTERY ORIENTATION

Sun Cycle AGM batteries must be installed upright and may not be mounted upside down or on their side.

STORAGE AND MAINTENANCE

Keep Sun Cycle AGM batteries clean at all times. Keep terminals clean and dry to avoid corrosion.

Store them fully charged for up to 6 months at 25°C, then recharge before use. It is important to prevent heavy discharge that can damage the internal components and reduce battery life. If the batteries are stored for extended periods of time, apply a periodic refresh charge.

Store away from heat, sparks, open flame, or other heat ignition sources. Store under room temperature (<30°C) in a dry, well-ventilated location