

Sun Xtender PVX-1080T

Solar Battery Manufactured by: Concorde Battery Corporation



Description of Solar Battery:

VRLA-AGM Deep Cycle Battery for Off Grid and Grid Tied Systems

Concorde's advanced AGM designs out-perform flooded (wet), gel and other AGM brands – And here's why:

Sun Xtender's AGM design is the original Absorbent Glass Mat battery technology adopted by the armed forces worldwide.

VRLA - Valve Regulated Lead Acid construction.
Maintenance Free – Never requires water replenishment – ever.
Non-spillable - can be used upright, on its end or side.

Deep Cycle – Unique high density plate technology provides superior reliability, power & extended life cycle.
Pure Lead-Calcium Grids –Thicker plates than the industry standard for longer life and power.
Proprietary PolyGuard Microporous Polyethylene Separators are used around the positive plate & AGM to prevent shorting from shock and vibration. Sun Xtender is the only manufacturer providing this added layer of protection.

Low impedance design facilitates excellent charge acceptance. No current limit with controlled voltage charging. Recharge is quick and complete in a minimum of time.

Shockproof copolymer polypropylene high impact reinforced case restrains from bulging.

Copper Alloy Terminals are corrosion free and allow for maximum conductivity.

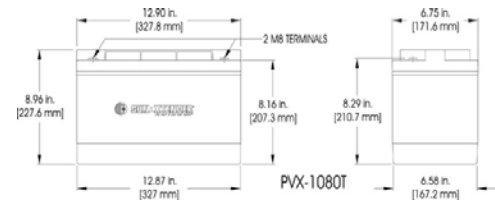
Sun Xtender AGM designs produce higher rates of discharge over flooded & gel designs.

Sun Xtender products are fully charged at the factory, ready to install upon delivery and transport Hazmat Exempt via land, air or sea.

PVX-1080T is used for applications such as Street & Bus Stop Lighting, Cathodic Protection, Grid Tied & Off Grid Homes, 2-Way Radio Repeaters, SCADA, Navigational Aids, Medical Refrigeration Clinics & Power for Remote Areas / Developing Nations.

Renewable Energy Battery Applications

- Area Lighting: Street, Parking Lot, Transit Shelter Solar Security Lighting
- Cathodic Protection Systems
- Grid Tied Solar Homes
- Off Grid Homes
- Solar Powered 2 Way Radio Repeaters
- SCADA (Supervisory Control & Data Acquisition) Systems
- Marine & Aviation Aids to Navigation(ATN)
- Medical Refrigeration, Hospital Clinics
- Runway & Taxiway Lighting



PVX-1080T

Voltage	12v
Battery Series	12 Volt Sun Xtender Series

Nominal Capacity Ampere Hours @ 25° C (77° F) to 1.75 Volts per cell - 24 Hour Rate		108 Ah					
Weight		70 lb / 31.8 kg					
Sun Xtender® Solar Battery Part Number	Length		Width		Height		
	in	mm	in	mm	in	mm	
PVX-1080T	12.90	328	6.75	172.8	0.96	24.28	
Nominal Capacity Ampere Hours @ 25° C (77° F) to 1.75 volts per cell							
1 Hr Rate	2 Hr Rate	4 Hr Rate	8 Hr Rate	24 Hr Rate	48 Hr Rate	72 Hr Rate	120 Hr Rate
68 Ah	86 Ah	88 Ah	97 Ah	108 Ah	118 Ah	122 Ah	126 Ah

Specifications subject to change without notice.