

Sun Xtender PVX-1040T

Solar Battery Manufactured by: Concorde Battery Corporation



Description of Solar Battery:

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

PVX-1040T is a common 12 volt renewable energy battery for solar, wind and back up energy storage. Preferred for its compact 27 battery size and deep cycling capacity, the PVX-1040T features clean, sustainable, efficient operation. Since 1987, Sun Xtender has been designing valve regulated lead acid batteries with AGM construction (VRLA-AGM). The non-spillable construction allows the battery to be used upright or on its end or side and the maintenance free AGM design means no water replenishment ever.

Utilizing pure lead calcium grids, the plates are thicker than the industry standard for longer cycle life, increased reliability and power. The low impedance AGM design allows for excellent charge acceptance and there is no current limit required with controlled voltage charging.

The Sun Xtender battery product line features proprietary PolyGuard® Microporous Polyethylene Separators, shielding the positive plates against shorting, shock or vibration. No other manufacturer offers this dual layer insulation protection feature.

Sun Xtender battery covers and containers are uniquely molded with high impact, reinforced copolymer polypropylene and are designed with thick end walls to prevent bulging. The copper alloy T Terminals are corrosion resistant and are supplied with silicon bronze bolts and washers.

All SunXtender Batteries ship Hazmat Exempt.

See the Sun Xtender Battery Technical Manual for details on applications and specifications. This Sun Xtender solar battery document is also available for download and printing.

PVX-1040T 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.

PVX-1040T

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		104 Ah					
Weight		63 lb / 28.6 kg					
Sun Xtender® Solar Battery Part Number	Length		Width		Height		
	in	mm	in	mm	in	mm	
PVX-1040T	12.01	305	6.60	168	8.93	227	
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
65 Ah	82 Ah	85 Ah	93 Ah	104 Ah	112 Ah	116 Ah	120 Ah

Specifications subject to change without notice.

[Enlarge Solar Battery](#)

[Battery Outline Drawings \(PDF\)](#)

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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](#)

