

# Sun Xtender PVX-2580L

## Solar Battery Manufactured by: Concorde Battery Corporation



### Description of Solar Battery:

VRLA-AGM Deep Cycle Battery for Off Grid and Grid Tied Systems. Recombinant gas Sun Xtender® Series solar batteries are low resistance, valve regulated lead acid (VRLA) batteries.

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, Sun Xtender deep cycle battery 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 manufacturers offer 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 solid copper L Blade Terminals are corrosion resistant and are supplied with silicon bronze bolts, washers, and nuts.

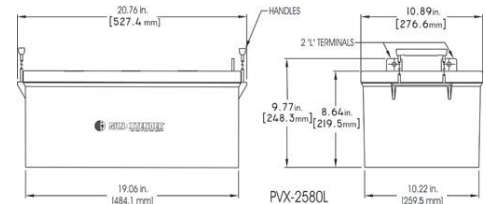
All SunXtender Batteries ship Hazmat Exempt.

See the Sun Xtender Battery Technical Manual for details on PVX-2580L applications and specifications. This Sun Xtender solar battery document is also available for download and printing.

PVX-2580L is used for applications such as Traffic Arrow / Message Boards, Cathodic Protection, Gried Tied & Off Grid Homes, 2-Way Radio Repeaters, SCADA, Navigational Aids, Medical Refrigeration Clinics & Power for Remote Areas / Developing Nations, Microwave Earth / Satellite Stations, Parking Lot Lighting.

### Renewable Energy Battery Applications

- Arrow & Message Boards for Highway Traffic Control Employing Solar Modules
- 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)
- Microwave & Earth Satellite Communications Stations
- Medical Refrigeration, Hospital Clinics
- Runway & Taxiway Lighting



### PVX-2580L

Voltage		12v				
Battery Series		<a href="#">12 Volt Sun Xtender Series</a>				
Nominal Capacity Ampere Hours @ 25° C (77° F) to 1.75 Volts per cell - 24 Hour Rate		258 Ah				
Weight		165 lb / 75 kg				
Sun Xtender® Solar Battery Part Number	Length		Width		Height	
	in	mm	in	mm	in	mm
PVX-2580L	20.76	527.4	10.89	277	9.77	248

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
165 Ah	209 Ah	214 Ah	236 Ah	258 Ah	285 Ah	295 Ah	305 Ah

Specifications subject to change without notice.