# Sun Xtender PVX-5040T

## Solar Battery Manufactured by:
## Concorde Battery Corporation

**Description of Solar Battery:**

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

Sun Xtender pioneered renewable energy storage batteries for Off Grid and Grid Tied Systems!

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 whole Sun Xtender 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 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.

**PVX-5040T**

| | |
|---|---|
| Voltage | 2v |
| Battery Series | [2 Volt Sun Xtender Series](#) |
| Nominal Capacity Ampere Hours @ 25° C (77° F) to 1.75 Volts per cell - 24 Hour Rate | 504 Ah |
| Weight | 57 lb / 25.9 kg |

| Sun Xtender® Solar Battery Part Number | Length | | Width | | Height | |
|---|---|---|---|---|---|---|
| | in | mm | in | mm | in | mm |
| PVX-5040T | 10.21 | 259 | 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 |
| 312 Ah | 396 Ah | 408 Ah | 444 Ah | 504 Ah | 540 Ah | 561 Ah | 582 Ah |

Specifications subject to change without notice.