



Maintenance-free, valve-regulated sealed lead acid batteries. Designed for deep cycle, back-up power and photovoltaic applications.

Product Features

- | Copper Alloy Terminals for improved electrical connections
- | No exposed lead terminals; this change was incorporated to improve environmental safety and health.
- | Threaded insert terminals are recessed to prevent short circuits across battery connections.
- | New cover is flat top design; no protruding or exposed vent valves
- | Built in lifting handles, except PVX-490T, PVX-560T, and PVX-2240T
- | Reinforced container walls to reduce bulging



- | High impact strength copolymer polypropylene case and cover
- | Completely sealed valve regulated construction
- | Immobilized non-spillable electrolyte
- | Maintenance-free design never requires watering
- | Absorbed Glass Mat (AGM) micro-porous glass separators retain electrolyte
- | Flame arresting pressure regulated safety valves
- | UL-recognized systems component
- | Positive plates: proprietary lead calcium alloy, negative plates: lead calcium
- | Low self discharge rate approximately 1 % per month at 77 °F (25 °C)
- | Operate over a wide range of temperatures from -40 to +160 °F (-40 to +72 °C)
- | Classified as "Non-Spillable Battery" for transport complies with DOT HMR49, non-hazardous materials

Concorde Sun Xtender

Technical data Concorde Sun Xtender:

12 V models

	PVX-340T	PVX-490T	PVX-690T	PVX-890T
Overall Dimensions				
L" (mm)	7.71 (196)	8.99 (228)	10.19 (259)	12.9 (328)
W" (mm)	5.18 (132)	5.45 (138)	6.60 (168)	6.75 (172)
H" (mm)	6.89 (175)	8.82 (224)	8.93 (227)	8.96 (228)
Unit Wt # (kg)	25 (11.4)	36 (16.4)	51 (23.2)	62 (28.2)
Nominal Capacity¹				
1 Hr Rate	21	31	42	55
2 Hr Rate	27	39	53	70
4 Hr Rate	28	40	55	72
8 Hr Rate	30	43	60	79
24 Hr Rate	34	49	69	89
48 Hr Rate	36	52	73	95
72 Hr Rate	37	54	76	98
120 Hr Rate	38	55	79	102

12 V models

	PVX-1040T	PVX-1080T	PVX-2120L	PVX-2580L
Overall Dimensions				
L" (mm)	12.01 (305)	12.90 (328)	20.76 (527)	20.76 (527)
W" (mm)	6.60 (168)	6.75 (172)	8.70 (221)	10.89 (277)
H" (mm)	8.93 (227)	8.96 (228)	9.76 (248)	9.65 (245)
Unit Wt # (kg)	66 (30.0)	70 (31.8)	138 (62.7)	165 (74.8)
Nominal Capacity¹				
1 Hr Rate	65	68	136	165
2 Hr Rate	82	86	172	209
4 Hr Rate	85	88	176	214
8 Hr Rate	93	97	194	236
24 Hr Rate	104	108	212	258
48 Hr Rate	112	118	235	285
72 Hr Rate	116	122	244	295
120 Hr Rate	120	126	253	305

¹ In ampere hours @ 77 °F (25 °C) to 1.75 volts per cell

Technical data Concorde Sun Xtender:

6 V models

	PVX-2160T	PVX-2240T
Overall Dimensions		
L " (mm)	12.90 (328)	10.27 (261)
W " (mm)	6.75 (171)	7.12 (181)
H " (mm)	8.96 (228)	10.24 (260)
Unit Wt # (kg)	70 (31.8)	67 (30.4)
Nominal Capacity¹		
1 Hr Rate	136	143
2 Hr Rate	172	180
4 Hr Rate	176	185
8 Hr Rate	194	204
24 Hr Rate	216	224
48 Hr Rate	236	246
72 Hr Rate	244	256
120 Hr Rate	252	263

2 V model

	PVX-6480T
Overall Dimensions	
L " (mm)	12.90 (328)
W " (mm)	6.75 (171)
H " (mm)	8.96 (228)
Unit Wt # (kg)	70 (31.8)
Nominal Capacity¹	
1 Hr Rate	408
2 Hr Rate	516
4 Hr Rate	528
8 Hr Rate	582
24 Hr Rate	648
48 Hr Rate	708
72 Hr Rate	732
120 Hr Rate	756

¹ In ampere hours @ 77 °F (25 °C) to 1.75 volts per cell



Technical data Concorde Sun Xtender:

Model	Constant Current Charge Rate in amps	25 A Discharge Minutes Time	
		80 %	Rated
12 V Batteries			
PVX-340T	2	40	50
PVX-490T	2	67	84
PVX-690T	3	97	121
PVX-890T	4	126	158
PVX-1040T	5	149	186
PVX-1080T	5	156	195
PVX-2120L	10	312	390
PVX-2580L	12	403	504
6 V Batteries			
PVX-2160T	10	312	390
PVX-2240L	11	394	492
2 V Batteries			
PVX-6480T	30	936	1170

Charging Instructions

Bulk charge: 2.37 to 2.40 volts per cell at 77 °F (25 °C)

Float charge: 2.23 volts per cell at 77 °F (25 °C)

Temperature compensation: = ± 3.75 mV per cell per °C (reference to 77 °F (25 °C))

Available from: