



CONCORDE BATTERY CORPORATION
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**MAINTENANCE-FREE, VALVE-REGULATED,
 SEALED LEAD ACID BATTERIES.
 DESIGNED FOR DEEP CYCLE / BACK-UP POWER
 PHOTOVOLTAIC APPLICATIONS.**

Part Number	Volts	Overall Dimensions						Unit Wt lb - kg		Nominal Capacity Ampere Hours @ 25° C (77° F) to 1.75 volts per cell							
		L		W		H				1	2	4	8	24	48	72	120
		in	mm	in	mm	in	mm			Hr	Hr	Hr	Hr	Hr	Hr	Hr	Hr
PVX-340T (PDF)	12	7.71	196	5.18	132	6.89	175	25	11.4	21	27	28	30	34	36	37	38
PVX-420T (PDF)	12	7.71	196	5.18	132	8.05	204	30	13.6	26	33	34	36	42	43	43	45
PVX-490T (PDF)	12	8.99	228	5.45	138	8.82	224	36	16.4	31	39	40	43	49	52	54	55
PVX-560T (PDF)	12	8.99	228	5.45	138	8.82	224	40	18.2	36	45	46	49	56	60	62	63
PVX-690T (PDF)	12	10.19	259	6.60	168	8.93	227	51	23.2	42	53	55	60	69	73	76	79
PVX-840T (PDF)	12	10.19	259	6.60	168	8.93	227	57	25.9	52	66	68	74	84	90	94	97
PVX-1080T (PDF)	12	12.90	328	6.75	172	8.96	228	70	31.8	68	86	88	97	108	118	122	126
PVX-1040T (PDF)	12	12.01	305	6.60	168	8.93	227	66	30.0	65	82	85	93	104	112	116	120
PVX-890T (PDF)	12	12.90	328	6.75	172	8.96	228	62	28.2	55	70	72	79	89	95	98	102
PVX-2120L (PDF)	12	20.76	527	8.70	221	9.76	248	138	62.7	136	172	176	194	212	235	244	253
PVX-2580L (PDF)	12	20.76	527	10.89	277	9.73	247	165	75	165	209	214	236	258	285	295	305
PVX-1040HT (PDF)	12	13.09	332	6.60	168	8.93	227	66	30.0	65	82	85	93	104	112	116	120
PVX-1380T (PDF)	6	10.19	259	6.60	168	8.92	227	51	23.2	84	106	110	120	138	146	151	158
PVX-1680T (PDF)	6	10.21	259	6.60	168	8.92	227	57	25.9	104	132	136	148	168	180	187	194
PVX-1780T (PDF)	6	12.90	328	6.75	171	8.96	228	62	28.2	110	140	144	158	178	190	196	204
PVX-2080T (PDF)	6	12.01	305	6.60	168	8.93	227	66	30.0	130	164	170	186	208	224	232	240
PVX-2160T (PDF)	6	12.90	328	6.75	171	8.96	228	70	31.8	136	172	176	194	216	236	244	252

PVX-2240T (PDF)	6	10.27	261	7.12	181	10.24	260	67	30.4	143	180	185	204	224	246	256	263
PVX-4140T (PDF)	2	10.19	259	6.60	168	8.93	227	51	23.2	252	318	330	360	414	438	456	474
PVX-5040T (PDF)	2	10.19	259	6.60	168	8.93	227	57	25.9	312	396	408	444	504	540	561	582
PVX-5340T (PDF)	2	12.90	328	6.75	171	8.96	228	62	28.2	330	420	432	474	534	570	591	612
PVX-6240T (PDF)	2	12.01	305	6.60	168	8.93	227	66	30.0	390	492	510	558	624	672	696	720
PVX-6480T (PDF)	2	12.90	328	6.75	171	8.96	228	70	31.8	408	516	528	582	648	708	732	756

Standard Terminals: All "T" batteries now incorporate copper alloy M8 terminals except the PVX-340T & PVX-420T which are M6. All batteries supplied with silicon bronze bolts, nuts, and washers as required for installation. No exposed lead terminals. This change was made to improve environmental safety and health. Torque Value M6: 35 in-lbs / 4.0 nm. Torque Value M8: 70 in-lbs / 7.9 nm. **Optional Terminals:** L Blade or Automotive post type terminals are available installed by adding the appropriate suffix: "L" for L Blade or "A" for automotive post. **Handles:** All part numbers include lifting handles except the PVX-490T, PVX-560T, and PVX-2240T. **Ratings:** Capacity ratings are stated at 77F (25 C) to 1.75 volts per cell. **Drawings:** Click on the part number in the table above or contact the factory.

SUN-XTENDER® BATTERY DESIGN 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.¹
- New cover is flat top design. No protruding or exposed vent valves.¹
- 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 Electrolyte Non-Spillable.
- 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- Negatives Plates - Lead Calcium.
- Low Self Discharge Rate Approximately 1 % per month at 25 C (77 F).
- Operate over a Wide Range of Temperatures from -40 C (-40 F) to +72 C (+160 F).
- Classified as "Non-Spillable Battery" for transport. Complies with DOT HMR49, Non-Hazardous Materials.



¹ Threaded Insert "T" type Features.

CHARGING INSTRUCTIONS

Initial charge or recharge: 2.37 to 2.40 volts per cell at 25 C (77 F).
 Float charge: 2.20 to 2.22 volts per cell at 25 C (77 F). Equalize charge: 2.40 volts per cell at 25 C (77 F). Temperature compensation = ±3.75 mV. per cell per degree C [Reference to 25 C (77 F)]. This is for battery temperature (not ambient temperature) and is useful for battery temperatures from 0 C (32 F) to 40 C (104 F). Contact Concorde

