



PRC-1250S

**VALVE REGULATED
LEAD ACID BATTERY (V.R.L.A.)**



**ABSORBED GLASS MAT
TECHNOLOGY (A.G.M.)**



**10 YEAR DESIGN FOR UPS AND
STANDBY APPLICATIONS**



Features

- A recognized component of UL.
- Non spillable valve regulated lead acid (VRLA) design.
- Absorbed glass mat (AGM) technology.
- Gas recombination greater than 99%.
- Operates at a low internal pressure.
- Never needs watering, minimal maintenance.
- 99.7% pure lead calcium grids.
- Shock absorbent thick wall construction.
- Space savings multi-cell design.
- Cold forged non-porous terminal bushings, eliminate post leakage.
- Thermally welded case to cover bond, eliminates both acid and electrical leaks.
- Over-sized, through the partition inter-cell welds provide low resistance connections, with minimal power loss.
- Each cell has a low pressure safety release venting system, recognized per U.L. 924.
- Measured high vacuum acid fill, reduces electrical variability between cells.
- Can be mounted on its side.
- 100% recyclable materials.

Specifications

Cells / volts	6 / 12
Terminal type	1/4 " stud
Maximum discharge current	329 amps
Short circuit current	2733 amps
Impedance @ 77°F 25°C	5.05 milliohms
Electrolyte (S.G.)	1.300
Capacity @ 77°F (25°C) to 1.75 V.P.C.	50.0 AH (20 hrs) 45.2 AH (8 hrs)
Operating temperature range	-40°C/-40°F to +60°C/+140°F
Charging voltage / current:	13.62 to 13.80 volts, constant voltage at a maximum current of 18 amps.
Temperature compensation: Apply for temperature range of 0°C/32°F to 40°C/104°F	Subtract 3 mV/°C cell or 1.7 mV °F/cell, above 25°C/77°F Add 3mV/°C/cell or 1.7 mV/°F/cell, below 25°C/77°F
Storage time from a fully charged condition:	6 months at 25°C/77°F. For each 9°C/15°F rise, reduce the storage time by half.
AC ripple from charging source	1.5% peak to peak of float
Overall dimensions (inches,mm)	8.65" H x 8.6" L x 5.3" W 220mm H x 218mm L x 135mm W
Weight lbs / kgs	35.2 / 16.0

Options

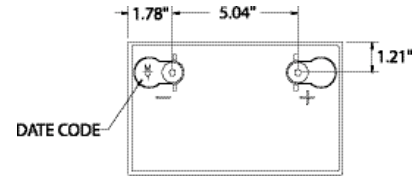
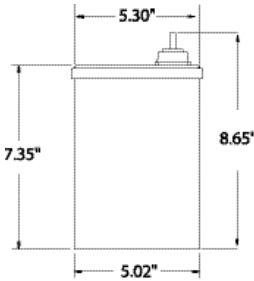
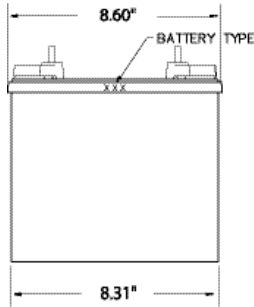
- Available in flame retardant (V2) plastic cases, compliant with UL 1778, specify model TC-1250S.
- Terminal covers.
- Battery cables.
- Custom wiring harnesses.

No transport restrictions

- Surface transport. Classified as non-hazardous material as relates to DOT-CFR Title 49, parts 171-189.
- Maritime transport. Classified as non-hazardous material per IMDG amendment 27.
- Air transport. Complies with IATA / ICAO, special provision A67.

Constant current discharge ratings, amperes @ 77°F (25°C) in hours

End V.P.C.	1	1.5	2	3	4	5	6	8	10	12	20	24
1.90	27.3	20.2	16.4	11.9	9.33	7.69	6.55	5.05	4.09	3.45	2.19	1.87
1.85	29.7	21.9	17.6	12.7	9.89	8.16	6.97	5.41	4.43	3.77	2.39	2.02
1.80	30.9	22.6	18.1	13.1	10.2	8.43	7.20	5.59	4.59	3.90	2.48	2.10
1.75	31.4	22.9	18.2	13.3	10.4	8.57	7.30	5.65	4.61	3.94	2.50	2.12



Constant power discharge ratings, watts per battery @ 77°F (25°C) in minutes

End V.P.C.	5	10	15	20	30	40	45	50	60	90	120	180	240	360	480
1.80	1566	1176	950	807	618	499	460	422	368	269	216	158	126	89.9	69.6
1.75	1670	1259	1003	837	629	506	466	427	372	272	224	163	129	93.2	72.7
1.70	1761	1337	1041	854	635	511	471	431	376	-	-	-	-	-	-
1.67	1788	1347	1048	859	638	512	472	432	376	-	-	-	-	-	-
1.60	1851	1373	1059	867	642	515	474	434	378	-	-	-	-	-	-

Cabinet systems

- Power Battery offers an extensive line of pre-wired battery cabinet systems.
- Locate the KW's required from the chart on the right. See the chart below for dimensions.
- All cabinet systems are equipped with fuses for both positive and negative overload protection.
- Optional output breakers are available instead of fuses.
- Systems can be equipped with an auxiliary charger for extended run time applications.
- UL and CUL approved.
- Custom cabinets are available.

Battery System		End V.P.C.	Available KW's in minutes						
Volts	Model Number		5	10	15	20	30	45	60
24	1KS4-250S-24	1.75	3.340	2.518	2.006	1.674	1.258	0.932	0.744
		1.67	3.576	2.694	2.096	1.718	1.276	0.944	0.752
48	1KS5-450S-48	1.75	6.680	5.036	4.012	3.348	2.516	1.864	1.488
		1.67	7.152	5.388	4.192	3.436	2.552	1.888	1.504
96	1KS6-850S-96	1.75	13.36	10.07	8.024	6.696	5.032	3.728	2.976
		1.67	14.30	10.78	8.384	6.872	5.104	3.776	3.008
120	1KS7-1050S-120	1.75	16.70	12.59	10.03	8.370	6.290	4.660	3.720
		1.67	17.88	13.47	10.48	8.590	6.380	4.720	3.760
240	1CR1-2050S-220	1.75	33.40	25.18	20.06	16.74	12.58	9.320	7.440
		1.67	35.76	26.94	20.96	17.18	12.76	9.440	7.520
360	1CR3-3050S-360	1.75	50.10	37.77	30.09	25.11	18.87	13.98	11.16
		1.67	53.64	40.41	31.44	25.77	19.14	14.16	11.28
480	1CR6-4050S-480	1.75	66.80	50.36	40.12	33.48	25.16	18.64	14.88
		1.67	71.52	53.88	41.92	34.36	25.52	18.88	15.04



KS-7 Cabinet

Battery System		Dimensions (in / mm)			Weight
Volts	Model Number	Width	Depth	Height	lbs/kgs
24	1KS4-250S-24	11.5/292	19.0/483	15.75/400	101/46
48	1KS5-450S-48	15.0/381	25.0/635	15.75/400	186/84
96	1KS6-850S-96	16.0/406	34.5/876	17.75/451	357/162
120	1KS7-1050S-120	16.0/406	34.5/876	37.25/946	502/228
240	1CR1-2050S-240	24.0/610	32.5/826	43.0/1092	964/437
360	1CR3-3050S-360	40.0/1016	32.5/826	43.0/1092	1382/627
480	1CR6-4050S-480	40.0/1016	32.5/826	60.0/1524	1850/839

Specifications subject to change without notice