



**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

- 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.
- 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.
- 100% recyclable materials.

Options

- The TC-1225 battery has a flame retardant polypropylene case and cover compliant with UL 1778; with an oxygen index greater than 28%.
- Terminal covers and custom inter-connecting battery cables.

Specifications

Cells per unit	6
Nominal voltage	12
Terminal type	Flag
Maximum discharge current	113 amps
Short circuit current	1279 amps
Impedance @ 77°F 25°C	10.79 milliohms
Weight lbs / kgs	21.5 / 9.7
Electrolyte (S.G.)	1.300
Capacity @ 77°F (25°C) to 1.75 V.P.C.	24.0 AH (20 hrs) 20.8 AH (8 hrs)
Ideal operating temperature range	+68°F (+20°C) to +77°F (+25°C)
Extended operating temperature range	Discharge: -40°F (-40°C) to +140°F (+60°C) Charge: -40°F (-40°C) to +122°F (+50°C)
Float Voltage	13.5 to 13.8 @ 77°F (25°C)
Maximum charging current	C/4 amperes at 100% discharge Unlimited at partial discharge.
AC ripple from charging source	1.5% peak to peak of float charge voltage
Storage	6 months at 77°F (25°C)

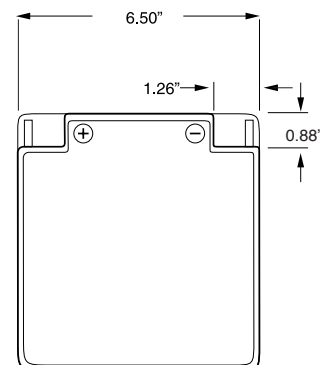
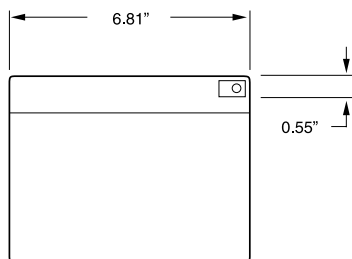
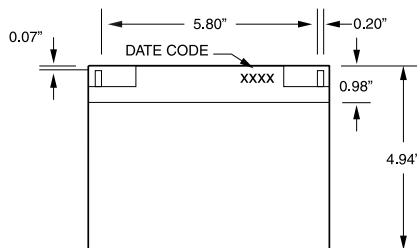
No transport restrictions

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

DISCHARGE SPECIFICATIONS

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

Final V.P.C.	5	10	15	20	30	40	45	50	60	90
1.60	737	549	435	365	281	230	213	196	173	126
1.67	691	525	425	358	275	225	208	192	169	124
1.70	667	514	417	353	272	223	207	191	168	123
1.75	627	478	403	345	266	220	204	189	166	122



POWER BATTERY offers an extensive line of pre-wired and fused battery cabinets complete with UL and CUL approval. Standard and custom DC voltages complete with breakers and chargers are available.



KS5 cabinet model

Battery Cabinet Systems (pre-wired with PRC/TC-1225 batteries)

Battery cabinet model	Maximum # of batteries	Dimensions				Weight lbs / kgs
		inches / millimeters			Weight	
		W	D	H		
KS3	4	7.75/197	24.0/610	8.75/222	109/49.5	
KS4	4	11.5/292	19.0/482	13.0/330	120/54.5	
KS5	8	15.0/381	25.0/635	15.75/400	225/102.3	
KS6	10	16.0/406	34.5/876	17.75/451	300/136.4	
KS7	20	16.0/406	34.5/876	37.25/946	600/272.7	
CR1	24	24.0/610	32.5/826	43.0/1092	800/363.6	
CR3	42	40.0/1016	32.5/826	43.0/1092	1292/587.3	

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

Final V.P.C.	1	2	3	4	5	6	8	10	12	24
1.75	14.3	8.30	6.00	4.70	3.90	3.30	2.60	2.20	1.80	1.00
1.80	13.6	8.00	5.80	4.50	3.70	3.20	2.50	2.10	1.80	0.96
1.85	12.7	7.60	5.50	4.30	3.60	3.10	2.40	2.00	1.70	0.91
1.90	11.4	7.00	5.10	4.00	3.40	2.90	2.30	1.90	1.60	0.87

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