



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



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



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



Features

- Flame-retardant polypropylene case and cover compliant with UL94 V-0 with an Oxygen Limiting Index of greater than 28%.
- Gas recombination greater than 99%.
- Operates at a low internal pressure.
- Never needs watering, minimal maintenance.
- 99.7% pure lead, calcium alloy grids.
- Shock absorbent thick wall polypropylene cases.
- 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.
- Flame arresting, low pressure safety release venting system for individual cells, recognized per U.L.924.
- Compliant with BS6290 Part 4 and IEC 896-2.
- Measured high vacuum acid fill, reduces electrical variability between cells.
- 100% recyclable materials.

Specifications

Cells per unit	6
Nominal voltage	12
Terminal type	Threaded copper insert
Short circuit current	4182 amps
Impedance @ 77°F 25°C	3.30 milliohms
Weight lbs / kgs	80.7 / 36.6
Electrolyte (S.G.)	1.300
Capacity @ 77°F (25°C)	96 A.H. (8 hrs) to 1.75 V.P.C.
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: -4°F (-20°C) to +122°F (+50°C)
Float Voltage	13.5 to 13.8 @ 77°F (25°C)
Recommended 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
Storage period without recharge	6 months at 77°F (25°C)

Options

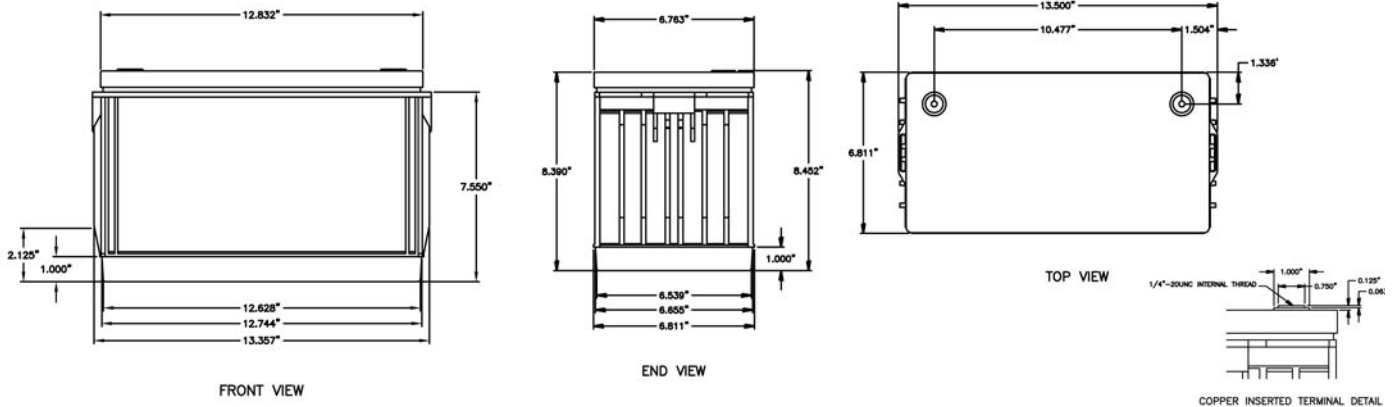
- Terminal covers.
- Inter-connecting battery cables.
- Warranty extensions.
- Open, Cladded Rack and Cabinet options.

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. Non hazardous complies with IATA / ICAQ, 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	3933	2918	2251	1842	1365	1095	1009	923	803	585
1.67	3800	2863	2227	1825	1355	1088	1003	918	799	584
1.70	3742	2842	2212	1815	1350	1085	1000	916	798	580
1.75	3548	2675	2132	1780	1337	1075	991	908	791	579



Power Battery offers an extensive line of pre-wired and fused battery cabinets. Standard and custom DC voltages complete with breakers and chargers are available.



KS3 Cabinet Model



Open Rack



Cladded Rack

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	66.7	38.8	28.2	22.1	18.2	15.5	12.0	9.80	8.37	4.51
1.80	65.7	38.4	27.9	21.7	17.9	15.3	11.9	9.75	8.29	4.46
1.85	63.1	37.3	26.9	21.0	17.3	14.8	11.5	9.42	8.01	4.30
1.90	58.0	34.8	25.3	19.8	16.3	13.9	10.7	8.70	7.33	3.97

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