



**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 | 3 |
| Nominal voltage | 6 |
| Terminal type | Threaded copper insert, 5/16" |
| Short circuit current | 6273 amps |
| Impedance @ 77°F 25°C | 1.10 milliohms |
| Weight lbs / kgs | 81.5 / 37.0 |
| Electrolyte (S.G.) | 1.300 |
| Capacity @ 77°F (25°C) | 193 AH (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 | 6.75 to 6.90 @ 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.

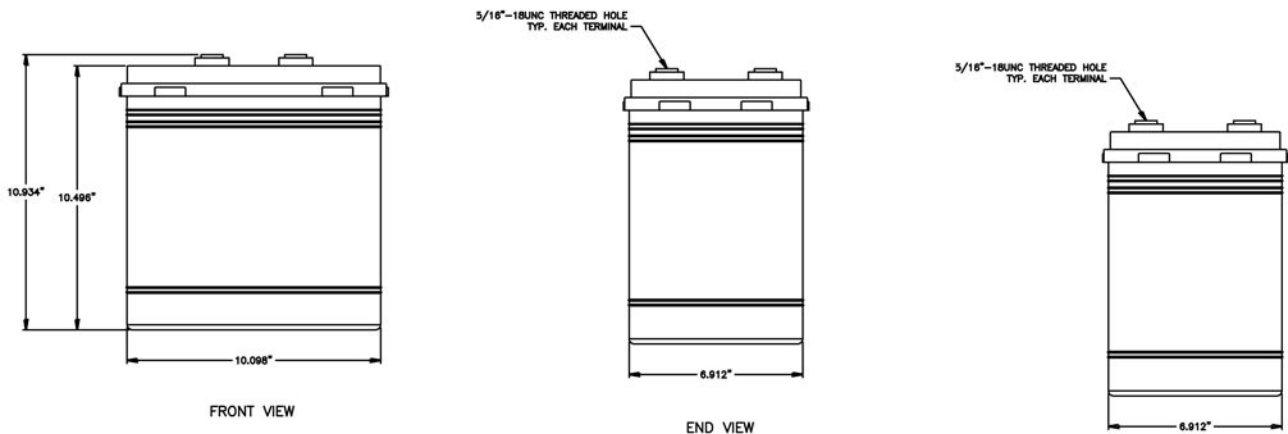
No transport restrictions

- 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 | 3571 | 2661 | 2108 | 1725 | 1298 | 1179 | 1060 | 906 | 797 | 582 |
| 1.67 | 3348 | 2542 | 2058 | 1691 | 1271 | 1155 | 1039 | 888 | 782 | 573 |
| 1.70 | 3234 | 2490 | 2021 | 1672 | 1255 | 1141 | 1027 | 879 | 774 | 567 |
| 1.75 | 3041 | 2318 | 1951 | 1631 | 1229 | 1122 | 1015 | 871 | 765 | 562 |



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 | 132 | 76.5 | 55.5 | 43.6 | 36.0 | 30.8 | 24.1 | 19.9 | 17.0 | 9.40 |
| 1.80 | 126 | 73.9 | 53.4 | 41.8 | 34.5 | 29.6 | 23.1 | 19.1 | 16.3 | 8.90 |
| 1.85 | 118 | 70.3 | 50.8 | 39.9 | 33.0 | 28.3 | 22.2 | 18.2 | 15.5 | 8.40 |
| 1.90 | 105 | 64.7 | 46.9 | 37.3 | 31.1 | 26.8 | 21.1 | 17.3 | 14.8 | 8.00 |

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