



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

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

**BACKS UP TRAFFIC LIGHT INTERSECTIONS
FOR NEMA TRAFFIC SIGNAL SYSTEMS**

MEETS CALTRANS SPECIFICATIONS

Features and Benefits

- Valve Regulated Lead Acid Battery (V.R.L.A.).
- A recognized component of U.L..
- Absorbed glass mat technology (A.G.M.)
- 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 flame arresting low pressure safety release venting system, recognized per U.L. 924.
- Measured high vacuum acid fill, reduces electrical variability between cells.
- 100% recyclable materials.



Specifications

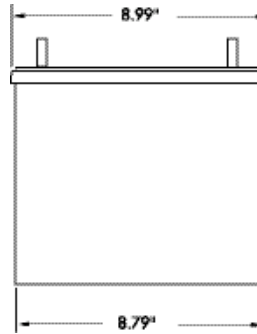
Cells / volts	6 / 12
Terminal type	1/4 " Stud
Maximum discharge current	550 amps
Short circuit current	3200 amps
Impedance @ 77°F 25°C	3.90 milliohms
Electrolyte (S.G.)	1.300
Capacity @ 77°F (25°C) to 1.75 V.P.C.	51.2 AH (20 hrs) 54.0 AH (8 hrs)
Operating temperature range	-25°C/-13°F to +74°C/+165°F
Charging voltage / current:	2.27 to 2.30 volts per cell, constant voltage at a maximum current of C/4 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)	8.99" H x 8.95" L x 5.45" W 228mm H x 227mm L x 138mm W
Weight lbs / kgs	44.1 / 20.0

Options

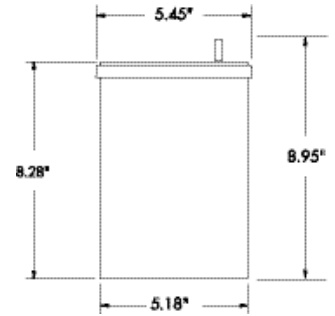
- Battery terminal covers
- inter-connecting battery cables
- Custom wire harnesses.

No transport restrictions

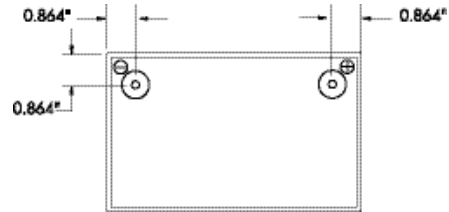
- Surface transport. Classified as non-hazardous material as relates to DOT-CFR Title 49 parts 171-189.
- Maritime transport. Classified as non-hazardous material as per IMDG amendment 27.
- Air transport. Complies with IATA / ICAO, special provision A67.



FRONT VIEW



SIDE VIEW



TOP VIEW

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

End V.P.C.	1	2	3	4	5	6	8	10	12	20	24
1.75	33.0	20.5	14.0	11.0	9.00	7.50	6.40	4.80	4.10	2.70	2.30

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

End V.P.C.	5	10	15	20	30	40	45	50	60	90	2	3	4	6	8
1.75	1992	1464	1128	960	714	552	510	456	390	285	229	167	135	95.3	74.1

1716-1-0509
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