



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



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



**LONG DURATION BATTERIES
DESIGNED FOR MAXIMUM LIFE**



10 VOLT CONFIGURATION AVAILABLE !

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.
- Measured high vacuum acid fill, reduces electrical variability between cells.
- 100% recyclable materials.

Options

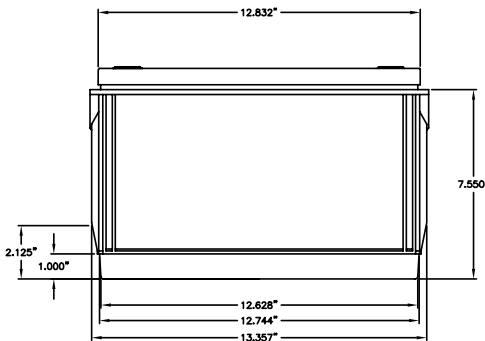
- Terminal covers.
- Inter-connecting battery cables.
- Custom wire harnesses.

Specifications

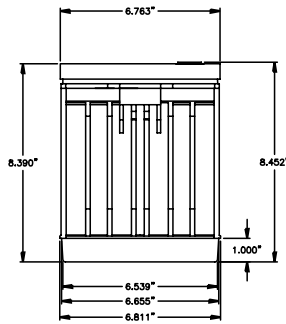
Cells per unit	6
Nominal voltage	12
Terminal type	Threaded copper insert
Short circuit current	4182 amps
Impedance @ 77°F 25°C	3.30 milliohms
Weight lbs / kgs	80.7 / 36.6
Electrolyte (S.G.)	1.300
Capacity @ 77°F (25°C)	96 A.H. (8 hrs) to 1.75 V.P.C.
Ideal operating temperature range	+68°F (+20°C) to +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)

No transport restrictions

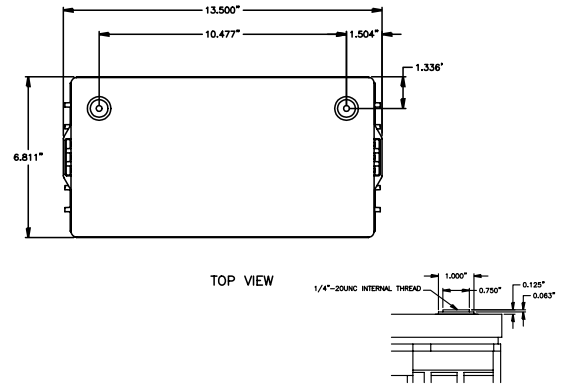
- Surface transport. Classified as non-hazardous material as relates to DOT-CFR Title 49 part 171-189.
- Maritime transport. Non hazardous as per IMDG amendment 27.
- Air transport. Non hazardous complies with IATA / ICAO, special provision A67.



FRONT VIEW



END VIEW



TOP VIEW

COPPER INSERTED TERMINAL DETAIL

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.

Battery Cabinet Systems (pre-wired with TL-1295 batteries)

Battery cabinet model	Maximum # of batteries	Dimensions					
		inches			millimeters		
		H	W	D	H	W	D
KS5	2	15.75	15.0	25.0	400	381	635
KS6	4	17.75	16.0	34.5	451	406	876
KS7	8	37.25	16.0	34.5	946	406	876
CR1	12	43.0	24.0	32.5	1092	610	826
CR3	20	43.0	40.0	32.5	1092	1016	826
CR6	30	60.0	40.0	32.5	1524	1016	826
CR4	40	77.0	40.0	32.5	1956	1016	826

Hours discharge rates in constant current (Amperes) and constant power (Watts) @ 77°F (25°C)

Volts per cell		1	2	3	4	5	6	7	8	9	10	12	24	48
1.75	Amps	66.7	38.8	28.2	22.1	18.2	15.5	13.5	12.0	10.8	9.80	8.37	4.51	2.54
	* Watts	791	477	346	275	230	198	174	154	139	126	106	56.3	30.9
1.80	Amps	65.7	38.4	27.9	21.7	17.9	15.3	13.4	11.9	10.7	9.75	8.29	4.46	2.35
	* Watts	782	460	336	268	223	191	167	148	133	121	102	54.5	29.7
1.85	Amps	63.1	37.3	26.9	21.0	17.3	14.8	12.9	11.5	10.3	9.42	8.01	4.30	2.22
	* Watts	756	443	322	256	213	183	160	142	128	116	98.4	52.5	27.8
1.90	Amps	58.0	34.8	25.3	19.8	16.3	13.9	12.1	10.7	9.61	8.70	7.33	3.97	2.13
	* Watts	710	410	297	236	199	171	151	136	122	111	94.0	50.2	26.7

* For 10 Volt models reduce the Watts by 18%

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