



**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

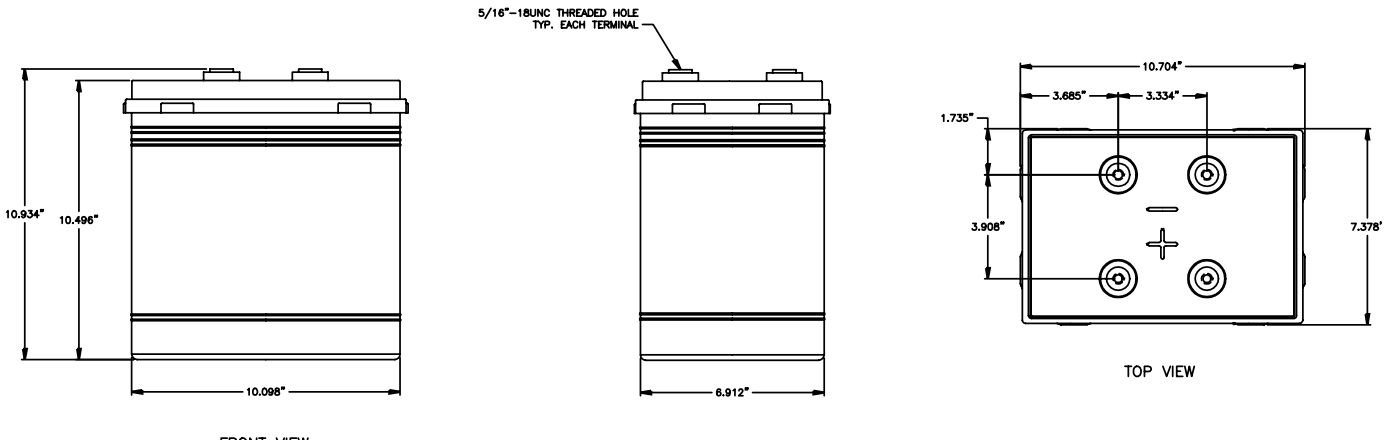
- Terminal covers.
- Inter-connecting battery cables.
- Custom wire harnesses.

### Specifications

Cells per unit	1
Nominal voltage	2
Terminal type	Threaded copper insert, 5/16"
Short circuit current	11500 amps
Impedance @ 77°F 25°C	0.20 milliohms
Weight lbs / kgs	87.0 / 39.5
Electrolyte (S.G.)	1.300
Capacity @ 77°F (25°C)	480 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	2.25 to 2.30 @ 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.



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-2480 batteries)							
Battery cabinet model	Maximum # of batteries	Dimensions					
		inches			millimeters		
		H	W	D	H	W	D
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
CR5	48	77.0	48.0	32.5	1956	1219	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	364	208	147	112	91.0	77.0	67.1	60.0	54.3	49.8	42.7	23.5	12.8
	* Watts	700	385	269	208	171	145	126	112	101	92.0	78.0	42.0	22.7
1.80	Amps	343	203	144	109.7	88.6	75.1	65.4	58.4	53.0	48.6	41.7	23.1	12.5
	* Watts	666	368	258	200	164	140	122	108	98.0	89.0	76.0	41.0	22.1
1.85	Amps	316	192	137	105	85.0	71.4	62.2	55.5	50.2	45.9	39.3	21.6	11.7
	* Watts	624	350	247	192	158	134	117	104	94.0	85.0	73.0	39.0	21.0
1.90	Amps	282	169	119	94.1	78.2	67.2	59.0	52.9	47.8	43.7	37.5	20.6	11.1
	* Watts	565	317	220	169	139	118	103	91.0	82.0	75.0	64.0	34.0	18.6

\* For 10 Volt models reduce the Watts by 18%

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