

FRONT ACCESS



**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 !

The CSL series of batteries are ideal for installations where real estate is at a premium. The front access design together with the connectors and terminal covers, permit rapid installation and reduced maintenance time.

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 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.
- Terminal and bussbar covers

Options

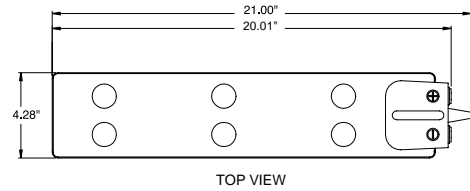
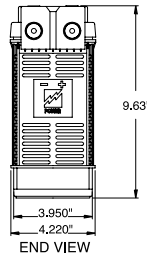
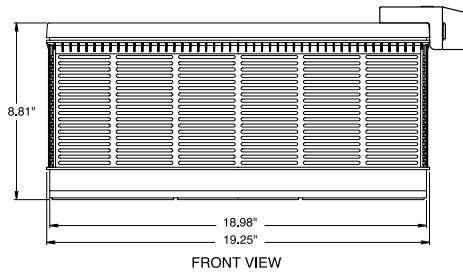
- Custom wire harnesses.

Specifications

Cells per unit	6
Nominal voltage	12
Terminal type	Threaded copper insert, 1/4"
Short circuit current	4169 amps
Impedance @ 77°F 25°C	3.31 milliohms
Weight lbs / kgs	74.0 / 33.6
Electrolyte (S.G.)	1.300
Capacity @ 77°F (25°C)	82 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	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.
- Water transport. Non hazardous as per IMDG amendment 27.
- Air transport. Non hazardous complies with IATA / ICAO, special provision A67.



POWER BATTERY offers a wide range of battery racks with configurations to meet most telecom requirements. Custom design systems are also available.



EZ rack model	Number # of batteries	Dimensions in. / mm			Weight
		Width	Depth	Height	lbs / kgs
EZ1	8	20.31 / 516	23.46 / 596	22.50 / 572	693 / 314
EZ2	4	20.31 / 516	23.46 / 596	12.00 / 305	348 / 158

Battery tray model	Number # of batteries	Dimensions in. / mm			Weight
		Width	Depth	Height	lbs / kgs
BT-19	4	19.00 / 483	21.25 / 540	6.56 / 167	311 / 141
BT-23	4	23.00 / 584	21.25 / 540	6.56 / 167	313 / 142

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	57.1	33.2	24.1	19.0	15.6	13.3	11.6	10.3	9.27	8.40	7.17	3.87	2.08
	* Watts	678	409	297	236	197	170	149	132	119	108	90.9	48.3	26.5
1.80	Amps	56.3	32.9	23.9	18.6	15.4	13.1	11.5	10.2	9.17	8.35	7.11	3.82	2.02
	* Watts	670	394	288	229	191	164	143	127	114	103	87.5	46.7	25.4
1.85	Amps	54.1	32.0	23.1	18.0	14.9	12.7	11.1	9.85	8.87	8.07	6.86	3.69	1.90
	* Watts	648	380	276	219	183	157	137	122	109	99.4	84.3	45.0	23.9
1.90	Amps	49.7	29.9	21.7	17.0	14.0	11.9	10.4	9.19	8.24	7.46	6.28	3.41	1.80
	* Watts	609	352	255	202	170	147	130	116	104	95.0	80.6	43.0	22.9

* For 10 Volt models reduce the Watts by 16.6%

U.S.A.
Power Battery Company, Inc.
 25 McLean Blvd.
 Paterson, N.J. 07514-1507
 Phone: (973) 523-8630
 Fax: (973) 523-3023
 E-mail: sales@powbat.com
 Web page: www.powerbattery.com

CANADA
Power Battery (Iberville) Ltd.
 770 Thomas Ave.
 Iberville, Québec, J2X 5E7
 Phone: (450) 346-3273
 Fax: (450) 346-8003
 E-mail: powerbat@sympatico.ca
 Web page: www.powerbattery.com

UK
Power Batteries Ltd.
 Premier Way, Abbey Park Industrial Estate
 Romsey, Hampshire, SO51 9AQ
 Phone: +44 (0)1794 835900
 Fax: +44 (0)1794 835910
 E-mail: sales@powbat.co.uk
 Web page: www.powbat.co.uk

ITALY
Power Battery Srl
 Via Locatelli 105
 20046 Biassono MI - ITALY
 Phone: +(39) 039 2324571
 Fax: +(39) 349 2499200
 E-mail: calberti@powbat.it
 Web page: www.powbat.it