

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 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.
- Terminal and bussbar covers.

Options

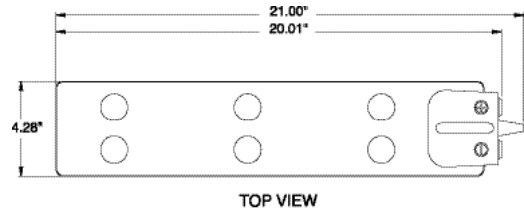
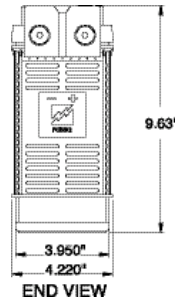
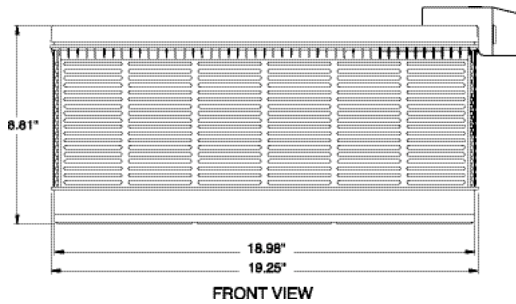
- Custom wire harnesses.
- 10 volt version.

Specifications

Cells per unit	6
Nominal voltage	12
Terminal type	Threaded copper insert, 1/4"
Short circuit current	4452 amps
Impedance @ 77° F 25° C	3.10 milliohms
Weight lbs / kg	78 / 35.4
Electrolyte (S.G.)	1.300
Capacity @ 77°F (25°C)	100 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.
- Maritime 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 lbs / kgs
		Width	Depth	Height	
EZ1	8	20.31/516	23.46/596	22.50/572	749/340
EZ2	4	20.31/516	23.46/596	12.00/305	376/171

Battery tray model	Number # of batteries	Dimensions in. / mm			Weight lbs/kgs
		Width	Depth	Height	
BT-19	4	19.00/483	21.25/540	6.56/167	354/161
BT-23	4	23.00/584	21.25/540	6.56/167	359/163

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	30
1.75	Amps	68.7	39.8	28.9	22.7	18.7	16.0	14.0	12.5	10.8	9.89	8.45	4.65	3.83
	*Watts	796	466	334	265	216	185	163	149	132	121	104	58.0	48.4
1.80	Amps	65.5	38.5	27.5	21.7	17.9	15.3	13.5	11.6	10.5	9.56	8.17	4.49	3.71
	*Watts	769	454	325	256	209	179	157	144	127	117	100	56.0	46.3
1.85	Amps	61.2	36.6	26.4	20.8	17.1	14.7	12.8	11.0	10.0	9.16	7.83	4.31	3.56
	*Watts	732	435	313	247	199	171	150	139	121	111	95.0	53.0	43.7
1.90	Amps	54.9	33.7	24.4	19.4	15.6	13.4	11.8	10.5	9.53	8.72	7.48	4.18	3.46
	*Watts	671	410	297	237	189	162	142	134	116	106	91.0	51.0	41.9

* For 10 Volt models reduce the Watts by 16.66%

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
Website: www.powerbattery.com

CANADA
Power Battery (Iberville) Ltd.
770 Thomas Ave.
Saint-Jean-sur-Richelieu, Québec, J2X 5E7
Phone: (450) 346-3273
Fax: (450) 346-8003
E-mail: sales@powbat.com
Website: 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
Website: www.powbat.co.uk