

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 VERSION AVAILABLE !

The CSL series of batteries are ideal for installations where real estate is at a premium. The front access design, permits rapid installation and reduced maintenance time.

Features and Benefits

- Ten year design life in telecom float service.
- A recognized component of U.L.
- Valve regulated lead acid battery (VRLA).
- Absorbed glass mat technology (AGM) with gas recombination greater than 99%.
- Operates at a low internal pressure.
- Never needs watering; minimal maintenance.
- Shock absorbent thick wall construction.
- Advanced lead tin calcium alloy, reduces grid corrosion and promotes long battery life.
- Flame-retardant polypropylene case and cover compliant with U.L.94 V-0 with an Oxygen Limiting Index of greater than 28%.
- Cold forged nonporous 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 for 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.
- Terminal and bussbar covers.

Options

- Custom wire harnesses.
- 10 volt version.
- High temperature retaining sleeves.

Specifications

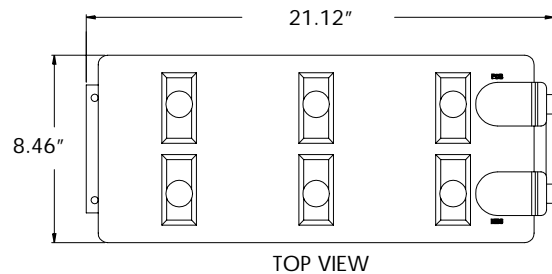
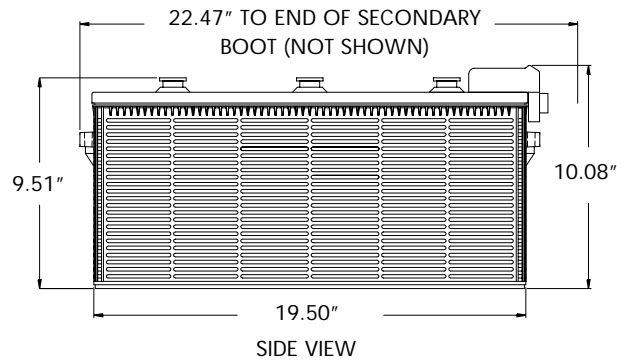
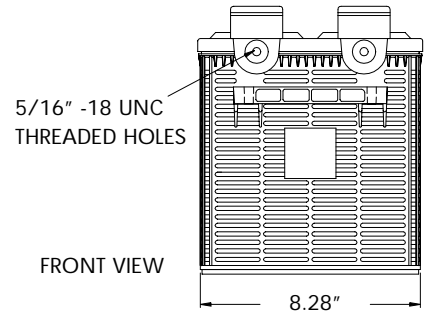
Cells / Volts	6 cells / 12 volts
Terminal type	Threaded copper insert, 5/16"
Short circuit current	9700 amps
Impedance @ 77° F 25° C	1.42 milliohms
Weight lbs / kgs	162 / 73.4
Electrolyte (S.G.)	1.300
Capacity @ 77°F (25°C)	200 AH (8 hrs) to 1.75 V.P.C.
Operating temperature range:	-40°C/-40°F to 60°C/140°F
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 3mV/°C/cell or 1.7 mV/°F/cell, above 25°C/77°F. Add 3 mV/°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)	10.08" H x 22.47" L x 8.46" W 256mm H x 571mm L x 215mm W

Standards and Compliances

- UL Compliant
- NEBS Compliant
- EUROBAT, 10 year plus classification
- Tested in accordance with
 - BS6290 PART4, 1987
 - Bellcore, TR-NWT-000766
 - ANSI, TI: 330



24 and 48 volt modular systems incorporating CSL-12200



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

Volts per cell		1	1.5	2	3	4	5	6	7	8	20	24
1.75	Amps	136	108	86.0	60.0	45.0	37.0	31.0	26.3	25.0	11.0	8.90
	* Watts	1700	1286	1029	736	559	467	398	340	319	136	109
1.80	Amps	128	102	82.0	58.0	43.5	36.0	30.4	25.7	24.1	10.6	8.60
	* Watts	1640	1211	970	699	536	446	379	321	301	130	105
1.85	Amps	121	96.0	78.0	54.0	41.5	33.6	29.0	24.8	23.2	10.1	8.30
	* Watts	1605	1138	915	648	507	412	357	305	285	125	101
1.90	Amps	117	91.0	72.0	51.0	40.0	32.0	27.0	24.0	22.5	9.40	7.80
	* Watts	1505	1094	860	597	476	388	332	300	285	120	97.0

* For 10 Volt models reduce the watts by 16.66%

1437-2-0210

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.
Iberville, Quebec, J2X 5E7
Phone: (450) 346-3273
Fax: (450) 346-8003
E-mail: powerbat@sympatico.ca
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

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

CHINA
Power Battery (Pacific Rim) Ltd.
Unit 1, 23/floor, Wealthy Plaza
138 Sau Kei Wan Road
Sai Wan Ho, Hong Kong
Phone: ++(852) 2-560-2222
Fax: ++(852) 2-967-8157
E-mail: bplhk@netvigator.com
Website: www.powerbattery.com