



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



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



**10 YEAR DESIGN FOR UPS AND
STANDBY APPLICATIONS**



Features

- Flame-retardant polypropylene case and cover compliant with UL 94-V2 with and 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.
- High impact resistant thick wall construction.
- 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 minimum voltage drop.
- Each cell has a low pressure safety release venting system, recognized per U.L. 924.
- Measured high vacuum acid fill, reduces electrical variability between cells.
- Inter-unit busbars and terminal covers
- 100% recyclable materials.

Options

- Custom inter-connecting battery cables.

Specifications

Cells per unit	6
Nominal voltage	12
Terminal type	Copper insert 5/16"
Maximum discharge current	1086 amps
Short circuit current	6201 amps
Internal Resistance	2.10 milliohms
Weight lbs / kgs	152 / 68.9
Electrolyte (S.G.)	1.300
Watts per cell to 1.67 V.P.C.	742
Capacity @ 77°F (25°C) to 1.75 V.P.C.	174 AH (8hrs)
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: -40°F (-40°C) to +122°F (+50°C)
Float Voltage	13.5 to 13.8 @ 77°F (25°C)
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 charge voltage
Storage	6 months at 77°F (25°C)

No transport restrictions

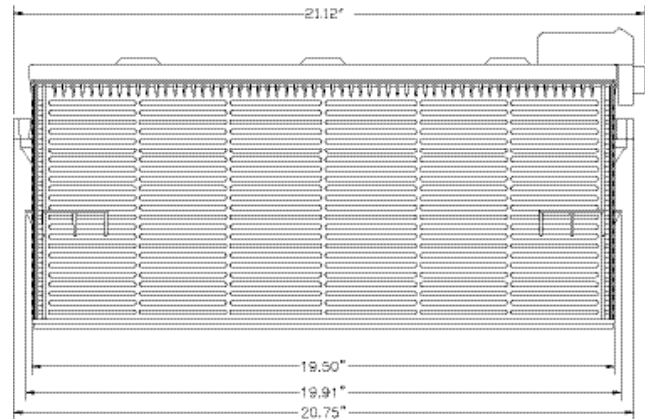
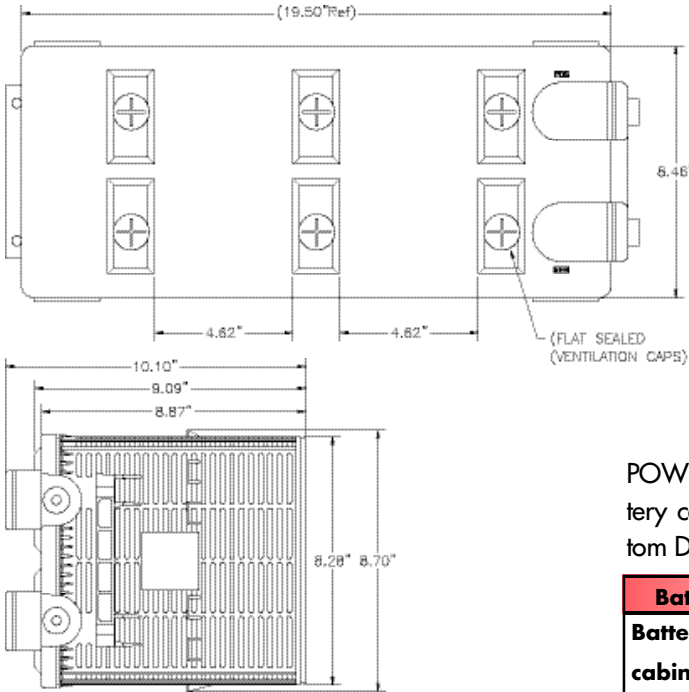
- Surface transport. Classified as non-hazardous material as relates to DOT-CFR Title 49 part 171-189.
- Maritime transport. Non hazardous as per IMDG amendment 27.
- Air transport. Complies with IATA / ICAO, special provision A67.

***New improved rates**

DISCHARGE SPECIFICATIONS

Constant power ratings, Watts per battery @ 77°F (25°C) in minutes

Final V.P.C.	5	10	15	20	30	60	90
1.60	8333*	5875*	4556*	3644*	2692*	1566*	1173*
1.67	7841*	5662*	4450*	3602*	2673*	1561*	1164*
1.75	7083*	5248*	4188*	3468*	2617*	1543*	1149*
1.80	6399*	4865*	3942*	3338*	2563*	1525*	1135*



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 SLF-12205 batteries)					
Battery cabinet model	Maximum # of batteries	Dimensions			Weight lbs / kgs
		inches / millimeters			
		W	D	H	
CZ3	12	42.0/1067	31.5/800	50.3/1278	2124/965
CZ6	16	42.0/1067	31.5/800	61.3/1557	2832/1287
CZ4	20	42.0/1067	31.5/800	72.3/1837	3540/1609

Modular Stacking System					
Rack model	Qty	W	D	H	lbs / kgs
EZ1	4	20.3 / 516	23.0 / 584	22.5 / 572	709 / 322

Open front modular stacking system. Can be stacked 4 high

Rack selection chart for Front Access Batteries		
Floor Rack Model	Maximum number of batteries	
	SLF-12105	SLF-12205/SLF-12250
RB52	10	5
RB52B	20	10
RB52T	30	15
RB52-4T	40	20



***New improved rates**

Constant current ratings, Amperes @ 77°F (25°C) in hours										
Final V.P.C.	1	2	3	4	5	6	8	10	12	24
1.75	131.6*	68.1	48.8	38.4	31.8	27.2	21.3	17.4	14.8	7.60
1.80	128.5*	67.0	47.9	37.3	30.8	26.3	20.5	16.7	14.2	7.54
1.85	109.6	64.0	45.7	35.8	29.6	25.4	19.7	16.1	13.7	7.25
1.90	98.2	58.3	41.7	32.8	27.2	23.2	18.1	14.9	12.6	6.75

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