



**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 1778 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.
- Shock absorbent 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 minimal power loss.
- 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.

Specifications

Cells per unit	6
Nominal voltage	12
Terminal type	Copper insert 1/4"
Maximum discharge current	726 amps
Short circuit current	4073 amps
Impedance @ 77°F 25°C	3.3 milliohms
Weight lbs / kgs	84 / 38.2
Electrolyte (S.G.)	1.300
Capacity @ 77°F (25°C) to 1.75 V.P.C.	110 AH (20 hrs) 100 AH (8 hrs)
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)

Options

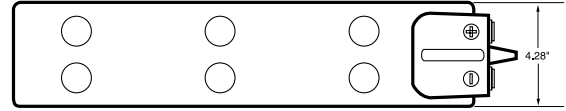
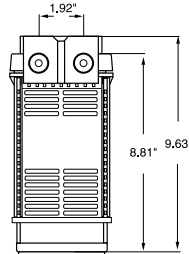
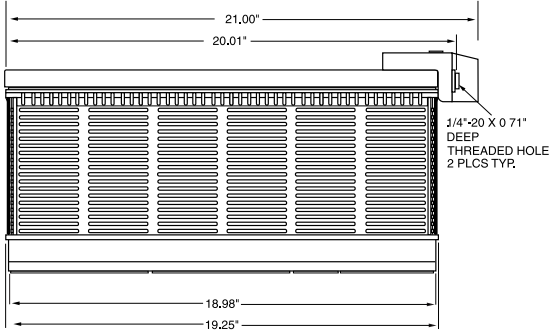
- Custom inter-connecting battery cables.

No transport restrictions

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

DISCHARGE SPECIFICATIONS

Constant power ratings, Watts per battery @ 77°F (25°C) in minutes										
Final V.P.C.	5	10	15	20	30	40	45	50	60	90
1.60	4079	3026	2335	1910	1415	1136	1046	957	832	607
1.67	3941	2969	2310	1892	1404	1128	1040	952	828	606
1.70	3880	2947	2294	1881	1400	1125	1036	949	827	601
1.75	3679	2774	2210	1845	1386	1115	1028	941	830	600



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-12120 batteries)					
Battery cabinet model	Maximum # of batteries	Dimensions			Weight
		inches / millimeters			
		W	D	H	bs/kgs
CZ3	24	42.0/1067	31.5/800	50.3/1278	4092/1860
CZ6	32	42.0/1067	31.5/800	61.3/1557	5556/2525
CZ4	40	42.0/1067	31.5/800	72.3/1837	6720/3054

Modular Stacking System					
Rack model	Qty	W	D	H	lbs / kgs
EZ1	8	20.3/516	23.0/584	22.5/572	1334/606

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 12120	SLF-12205/SLF-12250
RB52	10	5
RB52B	20	10
RB52T	30	15
RB52-4T	40	20

Constant current ratings, Amperes @ 77°F (25°C) in hours											
Final V.P.C.	.5	1	2	3	4	5	6	8	10	12	24
1.75	116	68.7	39.8	28.9	22.7	18.7	16	12.5	9.9	8.45	4.65
1.80	113.8	65.5	38.5	27.8	21.7	17.9	15.3	11.6	9.56	8.17	4.49
1.85	107	61.2	36.6	26.4	20.8	17.1	14.7	11	9.16	7.83	7.31

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