

FRONT ACCESS



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



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



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



The SLF 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 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-2 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.

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 21.12" L x 8.46" W 256mm H x 536mm L x 215mm W

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 relates per IMDG amendment 27.
- Air transport. Complies with IATA / ICAO, special provision A67.

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	8268	6482	5235	4231	3128	2510	2290	2063	1756	-
1.67	7950	6280	5030	4085	3070	2428	2215	2000	1740	-
1.70	7790	6184	4890	3960	3005	2347	2141	1978	1725	-
1.75	7490	6040	4730	3867	2860	2347	2141	1960	1700	1286

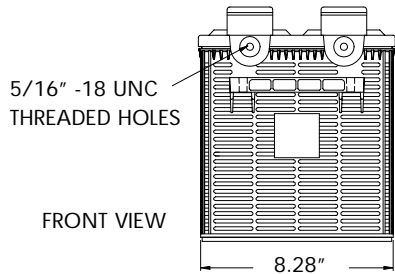


POWER BATTERY offers an extensive line of pre-wired and fused battery cabinets that are UL and CUL approved. Custom DC voltages complete with breakers and chargers are also available.

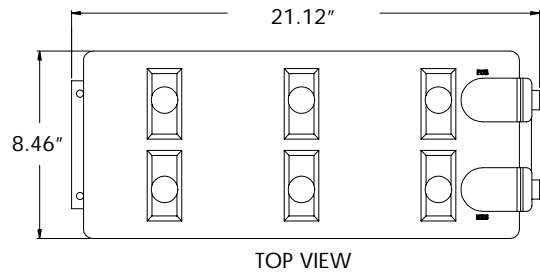
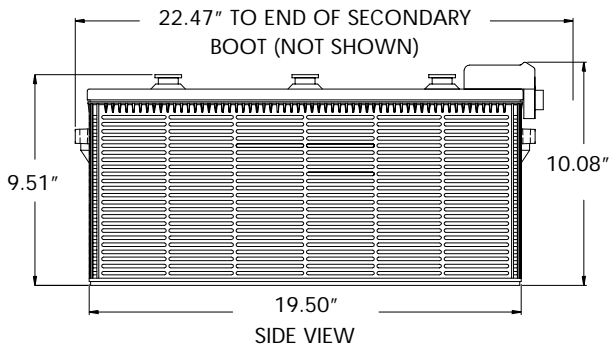
Battery Cabinet Systems (pre-wired with SLF-12250 batteries)					
Cabinet model	No. of batteries	inches / millimeters			Weight lbs / kgs
		W	D	H	
CZ3	12	42.0 / 1067	31.5 / 800	50.3 / 1278	2244 / 1018
CZ6	16	42.0 / 1067	31.5 / 800	61.3 / 1557	2992 / 1357
CZ4	20	42.0 / 1067	31.5 / 800	72.3 / 1837	3740 / 1696

Modular Racking System					
Rack model	Qty	W	D	H	lbs / kgs
EZ1	4	20.3 / 516	23.0 / 584	22.5 / 572	748 / 339

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
RB52	10	5
RB52B	20	10
RB52T	30	15
RB52-4T	40	20



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