

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 approval. Custom DC voltages complete with breakers and chargers are also available.

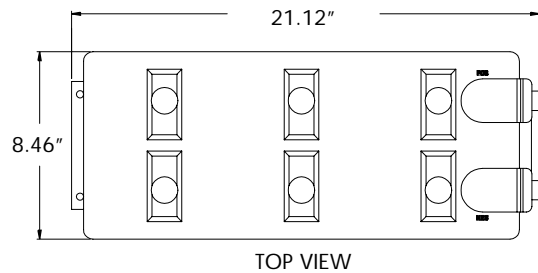
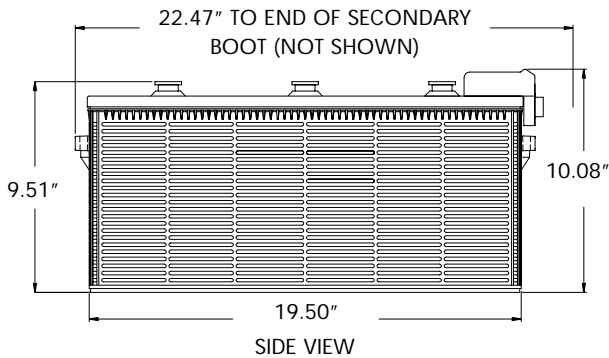
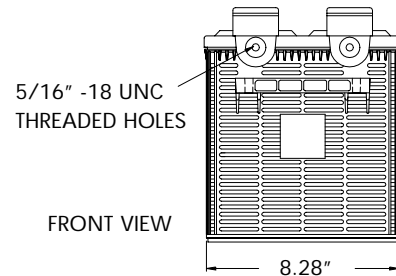
Battery Cabinet Systems (pre-wired with SLF-12250 batteries)

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



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%

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