

HIGH-RATE SERIES

POWER 
Power for a World of Applications

SLF-12105

VAVLE REGULATED V.R.L.A.

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

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



FEATURES & BENEFITS

- 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.

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.

SPECIFICATIONS

Cells per unit	6
Nominal voltage	12
Terminal type	Copper insert 1/4"
Maximum discharge current	600 amps
Short circuit current	3366 amps
Impedance @ 77°F 25°C	4.1 milliohms
Weight lbs / kg	74 / 33.5
Electrolyte (S.G.)	1.300
Capacity @ 77°F (25°C) to 1.75 V.P.C.	91.0 AH (20 hrs) 82 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.

DISCHARGE SPECIFICATIONS

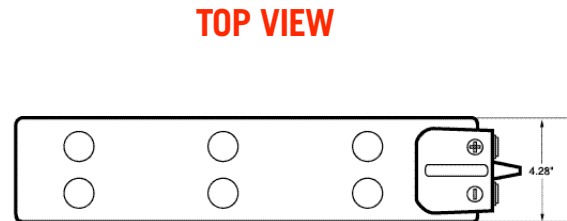
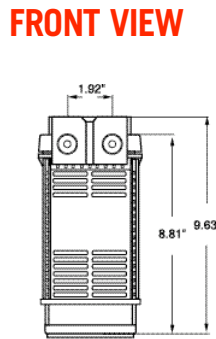
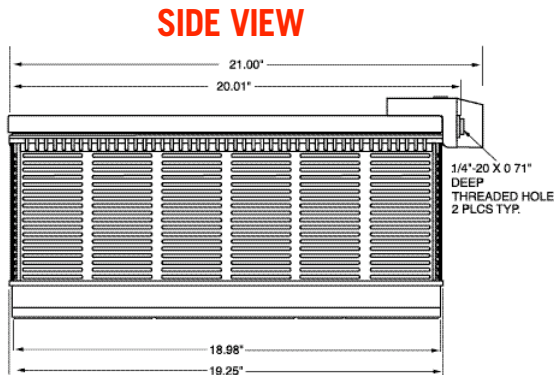
CONSTANT POWER RATINGS, WATTS PER BATTERY @ 77°F (25°C) IN MINUTES										
Final V.P.C.	5	10	15	20	30	40	45	50	60	90
1.60	3371	2501	1930	1579	1170	939	865	791	688	502
1.67	3257	2454	1909	1564	1161	933	860	787	685	501
1.70	3207	2436	1896	1555	1157	930	857	785	684	497
1.75	3041	2293	1827	1525	1146	922	850	778	678	496

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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-12105 BATTERIES)

Battery cabinet model	Maximum # of batteries	Dimensions			
		inches / millimeters			Weight lbs/kg
		W	D	H	
CZ3	24	42.0/1067	31.5/800	50.3/1278	3852/1751
CZ6	32	42.0/1067	31.5/800	61.3/1557	5236/2380
CZ4	40	42.0/1067	31.5/800	72.3/1837	6320/2873

Modular Stacking System

Rack model	Qty	W	D	H	lbs / kg
EZ1	8	20.3/516	23.0/584	22.5/572	1254/570

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

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	57.1	33.2	24.1	19.0	15.6	13.3	10.3	8.40	7.17	3.87
1.80	56.3	32.9	23.9	18.6	15.4	13.1	10.2	8.35	7.11	3.82
1.85	54.1	32.0	23.1	18.0	14.9	12.7	9.80	8.07	6.86	3.69
1.90	49.7	29.9	21.7	17.0	14.0	11.9	9.10	7.46	6.28	3.41

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