HRL Series

HRL 634W Datasheet

6V Top Terminal VRLA-AGM

Specifications	
Voltage (Vdc)	6
Nominal Capacity (1.67 VPC @25°C)	34W @15min-rate
Watts Per Cell (30-Sec 1.67 VPC @ 25°C)	--
Watts Per Cell (5-Min 1.67 VPC @ 25°)	36.33
Watts Per Cell (15-Min 1.67 VPC @ 25°)	18.17
Max Charge Current (A)	3.40
Max Discharge Current (A)	130
Short Circuit Current (A)	380
Internal Resistance (mΩ)	Approx. 8.30
Terminal Type	F2 terminal -Faston Tab 250
Terminal Torque	--
Container Material	ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request
Weight (kg. / lb., Approx.)	1.32 / 2.91
Length (L) (mm / in)	150.9±2.0 / 5.94±0.08
Width (W) (mm / in)	34.0±1.0 / 1.34±0.04
Height (H) (mm / in)	98.6±1.0 / 3.88±0.04
Design Life	Up to 8 Years in Standby Service at 25°C Eurobat (20°C): 10-12 Years Standard Commercial
Operating Temperature	Nominal: 25°C (77°F) Discharge: -15°C - 50°C (5°F-122°F) Charge/Storage: -15°C - 40°C (5°F – 104°F)
Float Charging Voltage	6.75 – 6.90 Vdc/battery 25°C (77°F)
Eq. Charging Voltage	7.20 – 7.50 Vdc/battery 25°C (77°F)
Self-Discharge	Less than 10% after 90 days, can be stored up to 6 months at 25°C (77°F); Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25°C (77°F).

Valve Regulated Lead Acid (VRLA) Battery

Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%

Pure Lead Construction and Proprietary Elements

Designed for High-Rate UPS, Float Service Standby Power Applications

Built in Accordance with IEC 61056-1/2:2012 and UL1989 Recognized (MH14533)

MH14533

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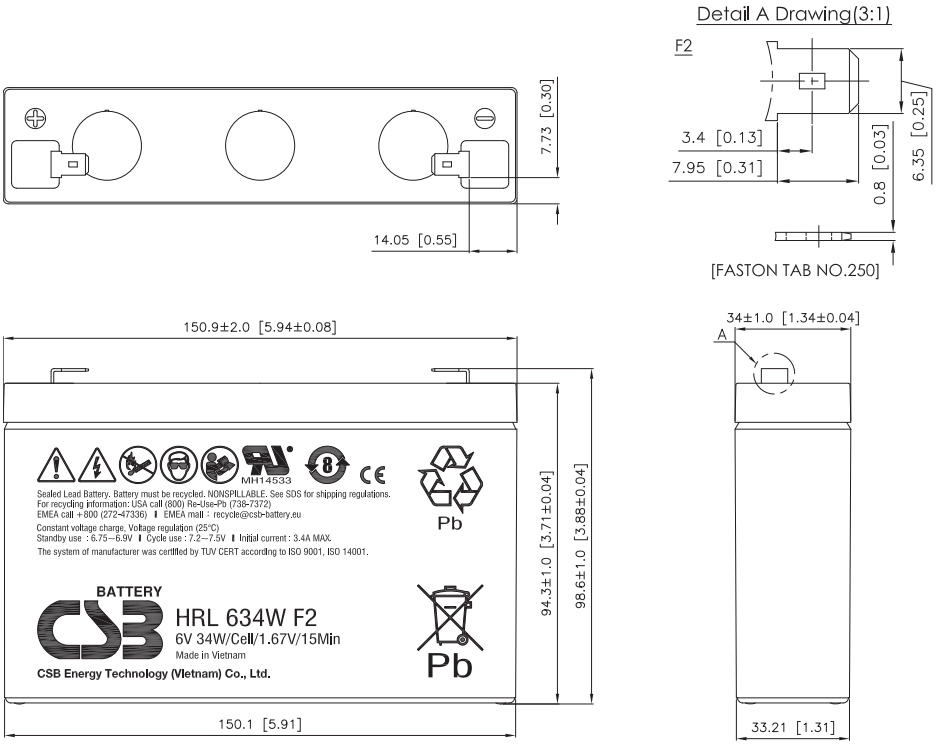
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)												
F.V/Time	**2MIN**	**4MIN**	**5MIN**	**6MIN**	**8MIN**	**10MIN**	**15MIN**	**20MIN**	**30MIN**	**45MIN**	**60MIN**	**90MIN**
5.01V (1.67 VPC)	56.5	44.4	39.2	35.4	29.3	25.2	18.6	14.3	10.2	7.33	5.80	4.63
5.25V (1.75 VPC)	51.9	40.7	35.8	32.3	27.0	23.8	18.3	14.1	10.0	7.23	5.74	4.57
5.40V (1.80 VPC)	48.9	37.9	33.7	30.6	25.8	23.0	18.1	13.9	9.94	7.17	5.69	4.52

Constant Power Discharge Characteristics Unit: W (25°C, 77°F)												
F.V/Time	**2MIN**	**4MIN**	**5MIN**	**6MIN**	**8MIN**	**10MIN**	**15MIN**	**20MIN**	**30MIN**	**45MIN**	**60MIN**	**90MIN**
5.01V (1.67 VPC)	312	246	218	197	167	143	109	82.6	60.3	43.5	34.5	27.6
5.25V (1.75 VPC)	292	228	202	183	155	135	104	81.0	59.3	43.0	34.2	27.3
5.40V (1.80 VPC)	278	215	191	173	147	129	100	80.0	58.9	42.6	33.9	27.1