EVH Series

EVH 12150 Datasheet

12V Top Terminal VRLA-AGM

Specifications	
Voltage (Vdc)	12
Nominal Capacity (1.75 VPC @25°C)	15 Ah @20hr-rate
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	14.08
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	15.20
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	13.92
Max Charge Current (A)	4.50
Max Discharge Current (A)	180
Short Circuit Current (A)	576
Internal Resistance (mΩ)	Approx. 10.5
Terminal Type	F2 terminal -Faston Tab 250
Terminal Torque	--
Container Material	ABS (UL 94-HB)
Weight (kg. / lb., Approx.)	4.60 / 10.14
Length (L) (mm / in)	151.0±2.0 / 5.94±0.08
Width (W) (mm / in)	98.0±1.0 / 3.86±0.04
Height (H) (mm / in)	101.8±1.5 / 4.01±0.06
Design Life	450 cycles @ 100%DOD at 25°C 1800 cycles @ 30%DOD at 25°C
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	--
Eq. Charging Voltage	14.4 - 15.0 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 E-mobility or deep cycling applications

Built in Accordance with IEC 60254-1:2005 / IEC60254-2:2008 and UL1989 Recognized (MH14533)

MH14533

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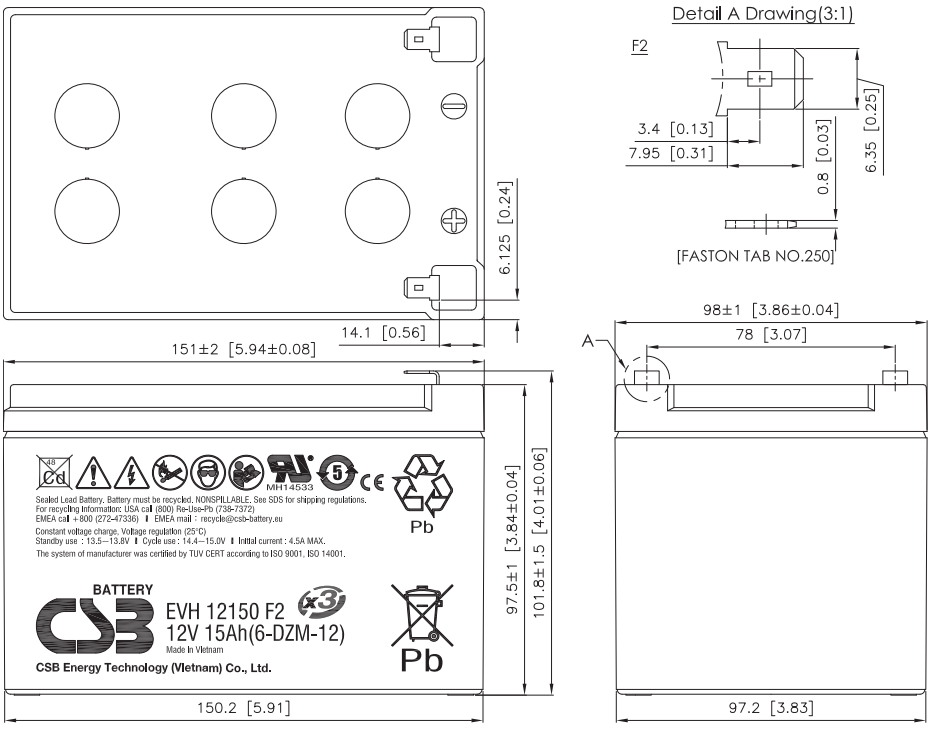
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)												
F.V/Time	**30MIN**	**45MIN**	**60MIN**	**90MIN**	**2HR**	**3HR**	**4HR**	**5HR**	**6HR**	**8HR**	**10HR**	**20HR**
10.02V (1.67 VPC)	19.9	14.1	11.0	7.79	6.11	4.25	3.31	2.73	2.16	1.78	1.42	0.78
10.50V (1.75 VPC)	19.5	13.8	10.8	7.66	6.00	4.17	3.27	2.71	2.14	1.76	1.39	0.76
10.80V (1.80 VPC)	19.0	13.8	10.7	7.50	5.83	4.08	3.19	2.64	2.10	1.74	1.38	0.75

Constant Power Discharge Characteristics Unit: W (25°C, 77°F)												
F.V/Time	**30MIN**	**45MIN**	**60MIN**	**90MIN**	**2HR**	**3HR**	**4HR**	**5HR**	**6HR**	**8HR**	**10HR**	**20HR**
10.02V (1.67 VPC)	220	163	128	90.8	70.5	49.2	38.6	31.7	25.2	20.9	17.0	8.96
10.50V (1.75 VPC)	215	159	125	88.7	69.4	48.8	38.1	31.1	24.9	20.7	16.8	8.82
10.80V (1.80 VPC)	211	157	123	87.3	68.6	47.9	37.5	30.7	24.6	20.5	16.7	8.74