EVH Series

EVH 12140 Datasheet

12V Top Terminal VRLA-AGM

Specifications	
Voltage (Vdc)	12
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	13.36
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	14.08
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	13.12
Max Charge Current (A)	4.20
Max Discharge Current (A)	180
Short Circuit Current (A)	542
Internal Resistance (mΩ)	Approx. 10.0
Terminal Type	F2 terminal -Faston Tab 250
Terminal Torque	--
Container Material	ABS (UL 94-HB)
Weight (kg. / lb., Approx.)	4.33 / 9.48
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)	100.3±1.5 / 3.94±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, UL1973 Listed (MH66728) and UL1989 Recognized (MH14533)

Certified by TUV NORD according to ISO 9001:2015

MH14533

CERTIFIED MH66728

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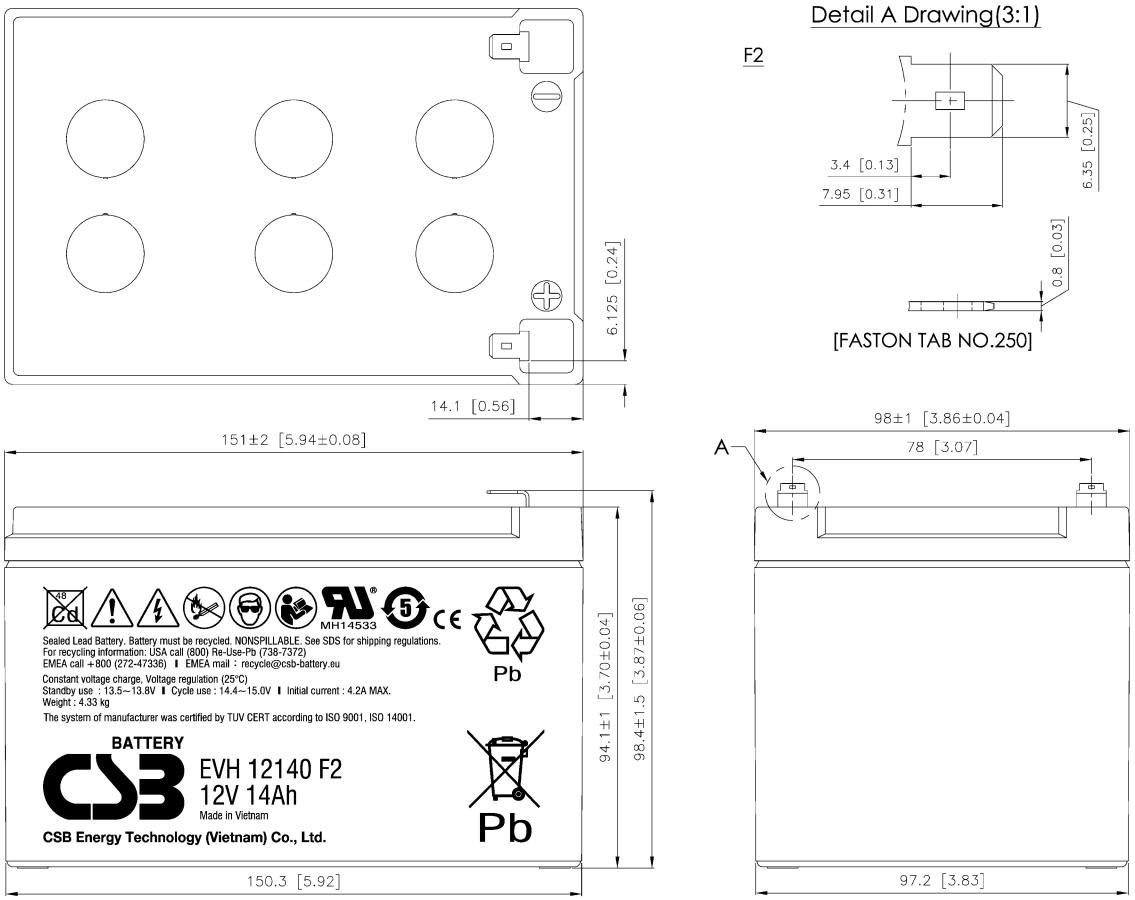
Constant Current Discharge Characteristics Per Battery: Amperes (25°C, 77°F)												
F.V/Time	**30MIN**	**45MIN**	**60MIN**	**90MIN**	**2HR**	**3HR**	**4HR**	**5HR**	**6HR**	**8HR**	**10HR**	**20HR**
10.02V (1.67 VPC)	17.87	12.82	10.09	7.21	5.67	4.03	3.15	2.58	2.19	1.69	1.380	0.712
10.50V (1.75 VPC)	17.55	12.66	9.98	7.13	5.61	3.99	3.12	2.55	2.16	1.67	1.362	0.704
10.80V (1.80 VPC)	17.10	12.43	9.81	7.03	5.53	3.93	3.07	2.51	2.12	1.64	1.337	0.694

Constant Power Discharge Characteristics Per Battery: Watts (25°C, 77°F)												
F.V/Time	**30MIN**	**45MIN**	**60MIN**	**90MIN**	**2HR**	**3HR**	**4HR**	**5HR**	**6HR**	**8HR**	**10HR**	**20HR**
10.02V (1.67 VPC)	210	153	121	86.3	67.6	47.9	37.5	30.9	26.2	20.14	16.44	8.54
10.50V (1.75 VPC)	207	151	119	85.6	67.1	47.5	37.2	30.6	25.9	19.98	16.30	8.47
10.80V (1.80 VPC)	203	149	118	84.6	66.3	46.9	36.7	30.1	25.6	19.70	16.08	8.36



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