



EVH Series

EVH12240 Datasheet

12V Top Terminal VRLA-AGM

Specifications

Voltage (Vdc)	12
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	24.72
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	25.60
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	24.48
Max Charge Current (A)	7.20
Max Discharge Current (A)	320
Short Circuit Current (A)	848
Internal Resistance (mΩ)	Approx. 8.6
Terminal Type	I1 terminal to accept M5 bolt
Terminal Torque	30.4±6.1 Kgf·cm / 26.4±5.3 Lbf·in / 3.0±0.6 N·m
Container Material	ABS (UL 94-HB)
Weight (kg. / lb., Approx.)	7.55 / 16.64
Length (L) (mm / in)	181.0±2.0 / 7.13±0.08
Width (W) (mm / in)	76.2±1.0 / 3.00±0.04
Height (H) (mm / in)	170.0±2.0 / 6.69±0.08
Design Life	350 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





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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)	29.6	21.7	17.5	12.9	10.2	7.44	5.83	4.78	3.80	3.15	2.56	1.30
10.50V (1.75 VPC)	29.0	21.3	17.2	12.7	10.0	7.32	5.74	4.73	3.74	3.09	2.52	1.28
10.80V (1.80 VPC)	28.4	21.1	17.0	12.5	9.98	7.16	5.65	4.64	3.69	3.06	2.49	1.27

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)	343	257	207	153	122	88.7	69.8	57.6	45.9	38.1	31.2	16.1
10.50V (1.75 VPC)	338	255	205	151	120	87.3	68.4	56.9	45.4	37.8	30.7	15.9
10.80V (1.80 VPC)	331	247	199	147	118	85.1	67.1	55.9	44.7	37.2	30.3	15.7

Detail A Drawing(3:1)

