EVX Series

EVX12170 Datasheet

12V Top Terminal VRLA-AGM

Specifications

Voltage (Vdc)	12
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	14.48
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	17.00
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	14.00
Max Charge Current (A)	5.10
Max Discharge Current (A)	230 (5sec)
Short Circuit Current (A)	536
Internal Resistance	Approx. 13.3 mΩ
Terminal Type	B1/B1B/B3 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.)	5.67 / 12.50
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)	167.0±2.0 / 6.57±0.08
Design Life	400 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 and 10 months with equalization charge* at 25C (77F); Full recharging is required before usage, and charged sooner if stored at higher temperature than 25C (77F).

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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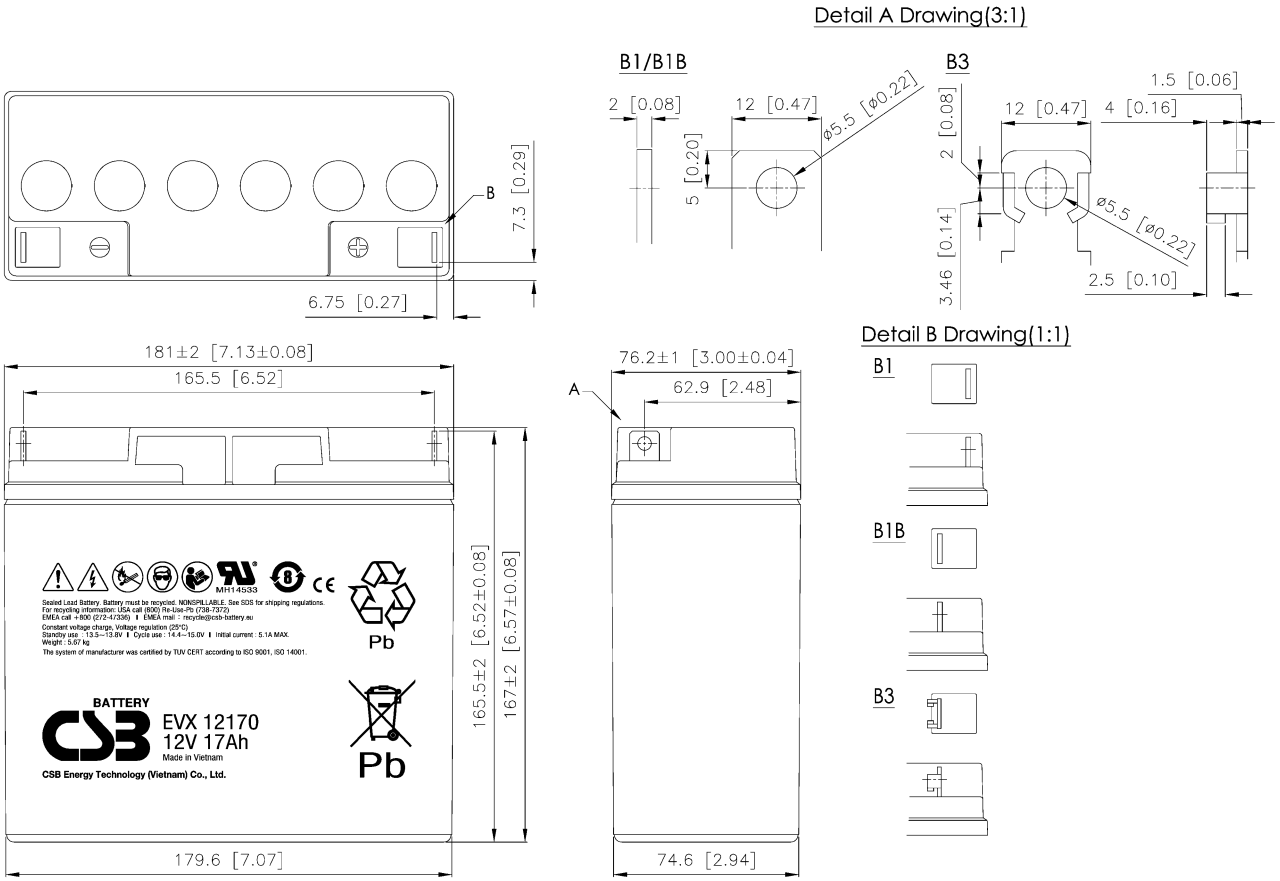
Constant Current Discharge Characteristics Per Battery: Amperes (25°C, 77°F)												
F.V/Time	**30MIN**	**45MIN**	**60MIN**	**90MIN**	**2HR**	**3HR**	**4HR**	**5HR**	**6HR**	**8HR**	**10HR**	**20HR**
10.02V (1.67 VPC)	16.5	12.3	9.94	7.14	5.77	4.28	3.43	2.84	2.44	1.92	1.58	0.90
10.50V (1.75 VPC)	15.5	11.6	9.38	6.70	5.43	4.04	3.24	2.68	2.30	1.81	1.49	0.85
10.80V (1.80 VPC)	15.0	11.2	9.08	6.48	5.25	3.91	3.14	2.59	2.22	1.75	1.44	0.83

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)	198	148	120	85.5	69.5	51.3	41.3	34.1	29.3	23.1	18.8	10.4
10.50V (1.75 VPC)	186	139	113	80.4	65.5	48.4	38.9	32.1	27.6	21.7	17.9	9.90
10.80V (1.80 VPC)	180	134	109	77.8	63.3	46.9	37.7	31.1	26.7	21.0	17.3	9.59



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