



EVX Series

EVX12120 Datasheet

12V Top Terminal VRLA-AGM

Specifications

Voltage (Vdc)	12
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	10.64
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	12.00
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	10.56
Max Charge Current (A)	3.60
Max Discharge Current (A)	180 (5sec) *
Short Circuit Current (A)	464
Internal Resistance	Approx. 15.4 mΩ
Terminal Type	F2 terminal - Faston Tab 250 *
Terminal Torque	--
Container Material	ABS (UL 94-HB)
Weight (kg. / lb., Approx.)	3.83 / 8.44
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 / 3.95±0.06
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





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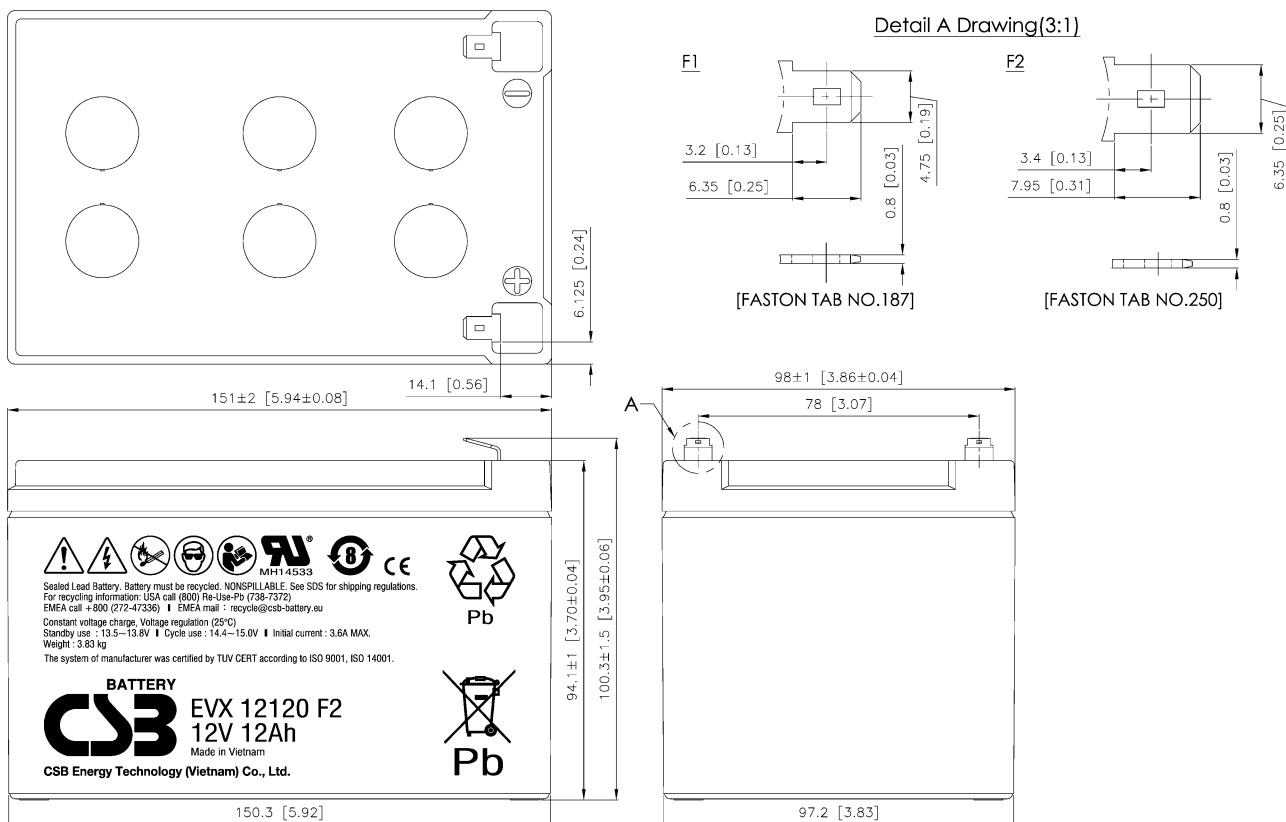
12V Top Terminal VRLA-AGM

Constant Current Discharge Characteristics 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)	12.7	9.30	7.45	5.45	4.29	3.10	2.44	2.05	1.74	1.35	1.12	0.63
10.50V (1.75 VPC)	12.4	9.14	7.36	5.36	4.25	3.07	2.41	2.01	1.71	1.33	1.09	0.60
10.80V (1.80 VPC)	12.0	8.89	7.18	5.28	4.17	3.00	2.38	1.99	1.70	1.32	1.07	0.59

Constant Power Discharge Characteristics 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)	146	107	85.7	62.9	50.1	36.6	29.1	24.3	20.7	16.1	13.3	7.09
10.50V (1.75 VPC)	143	105	84.9	62.3	49.5	36.2	28.8	23.9	20.4	15.9	13.1	7.01
10.80V (1.80 VPC)	140	103	83.5	61.2	49.0	35.7	28.5	23.7	20.2	15.7	12.9	6.87



* F1 terminal is available, Max Discharge Current = 100 A (5sec)