XTV Series

XTV121100 Datasheet

12V Top Terminal VRLA-AGM

Specifications	
Voltage (Vdc)	12
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	102
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	110
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	101
Max Charge Current (A)	33
Max Discharge Current (A)	800 (5 sec)
Short Circuit Current (A)	2648 (5 sec)
Internal Resistance (mΩ)	Approx. 3.60
Terminal Type	I2 thread lead alloy terminal to accept M6 bolt
Terminal Torque	51.7±10.3 Kgf·cm / 44.9±9.0 Lbf·in / 5.1±1.0 N·m
Container Material	PP (UL 94-HB) & Flame Retardant (94-V0) available upon request
Weight (kg. / lb.)	34.20 / 75.38
Length (L) (mm / in)	343.0±2.5 / 13.50±0.10
Width (W) (mm / in)	170.0±2.0 / 6.69±0.08
Height (H) (mm / in)	216.9±2.5 / 8.54±0.10
Design Life	Up to 12 Years in Standby Service at 25°C. Eurobat (20°C): >12 Years Very Long Life
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	13.5 - 13.8 Vdc/battery 25°C (77°F)
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 Float Service Standby Power Applications in Extreme Temperature Environments

Built in Accordance with IEC 60896-21/22:2004, UL1973 Listed (MH66728) and UL1989 Recognized (MH14533)

Certified by TUV NORD according to ISO 9001:2015

MH14533

CERTIFIED
SAFETY US
MH66728

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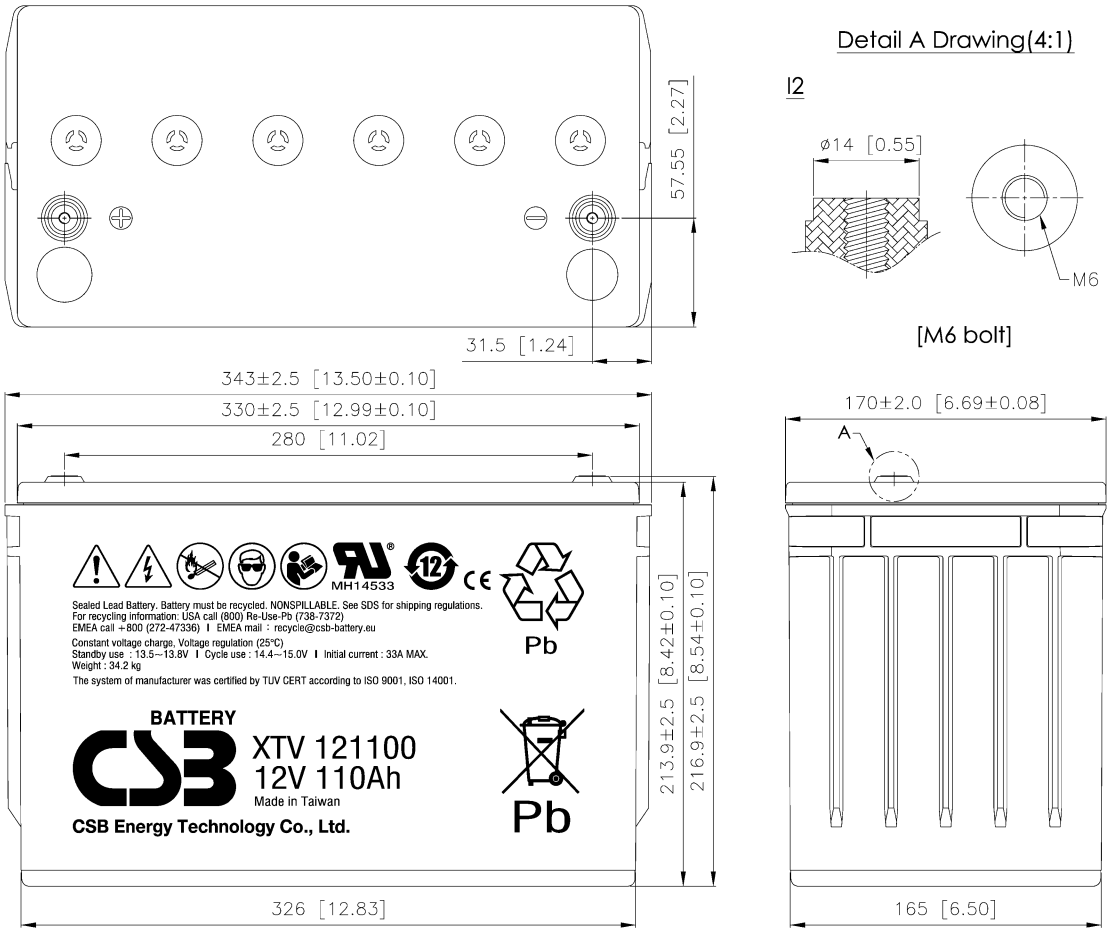
Constant Current Discharge Characteristics Per Battery: Amperes (25°C, 77°F)												
F.V/Time	**30MIN**	**60MIN**	**90MIN**	**2HR**	**3HR**	**5HR**	**8HR**	**10HR**	**12HR**	**20HR**	**24HR**	**48HR**
10.02V (1.67VPC)	135	77.5	55.4	43.5	30.8	19.9	13.0	10.6	8.93	5.52	4.66	2.41
10.50V (1.75VPC)	130	75.6	54.0	42.5	30.3	19.5	12.8	10.4	8.80	5.50	4.64	2.40
10.80V (1.80VPC)	123	72.3	52.1	41.2	29.4	18.9	12.6	10.2	8.63	5.33	4.49	2.32

Constant Power Discharge Characteristics Per Battery: Watts (25°C, 77°F)												
F.V/Time	**30MIN**	**60MIN**	**90MIN**	**2HR**	**3HR**	**5HR**	**8HR**	**10HR**	**12HR**	**20HR**	**24HR**	**48HR**
10.02V (1.67VPC)	1515	884	635	502	361	235	154	125	106	66.6	56.2	29.1
10.50V (1.75VPC)	1464	862	622	493	356	231	152	123	104	65.7	55.4	28.7
10.80V (1.80VPC)	1411	827	600	479	346	228	149	122	103	64.9	54.8	28.3



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