XTV Series

XTV 12800 Datasheet

12V Top Terminal VRLA-AGM

Specifications	
Voltage (Vdc)	12
Nominal Capacity (1.75 VPC @25°C)	80 Ah @20hr-rate
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	74.2
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	80.0
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	73.0
Max Charge Current (A)	24
Max Discharge Current (A)	800
Short Circuit Current (A)	1917
Internal Resistance (mΩ)	Approx. 4.70
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., Approx.)	25.50 / 56.20
Length (L) (mm / in)	261.0±2.5 / 10.28±0.10
Width (W) (mm / in)	168.5±2.0 / 6.63±0.08
Height (H) (mm / in)	213.5±2.5 / 8.41±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/Charge: -20°C - 50°C (-4°F-122°F) 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 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 Float Service Standby Power Applications in Extreme Temperature Environments

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

MH14533

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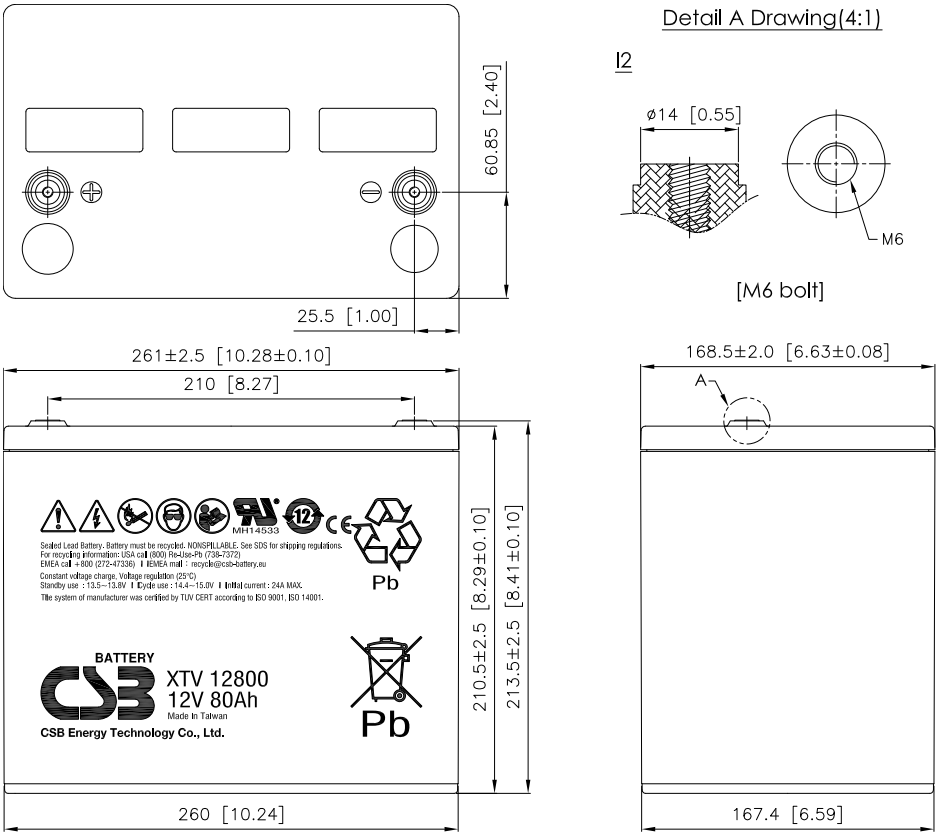
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)												
F.V/Time	**5MIN**	**10MIN**	**15MIN**	**30MIN**	**60MIN**	**90MIN**	**2HR**	**3HR**	**5HR**	**8HR**	**10HR**	**20HR**
10.02V (1.67 VPC)	269	192	151	91.4	54.2	39.8	31.3	22.0	14.2	9.42	7.75	4.11
10.50V (1.75 VPC)	229	172	142	88.1	53.0	38.9	30.6	21.6	13.9	9.27	7.65	4.00
10.80V (1.80 VPC)	202	157	128	83.5	51.3	38.0	29.9	21.2	13.6	9.12	7.53	3.96

Constant Power Discharge Characteristics Unit: W (25°C, 77°F)												
F.V/Time	**5MIN**	**10MIN**	**15MIN**	**30MIN**	**60MIN**	**90MIN**	**2HR**	**3HR**	**5HR**	**8HR**	**10HR**	**20HR**
10.02V (1.67 VPC)	2742	2023	1618	1026	625	462	366	260	169	111	92.6	49.2
10.50V (1.75 VPC)	2438	1867	1517	996	614	454	361	256	167	109	91.8	48.5
10.80V (1.80 VPC)	2143	1746	1397	951	594	444	352	251	165	108	89.8	47.8



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