



XTV series

XTV 12120



Valve Regulated Lead Acid Battery

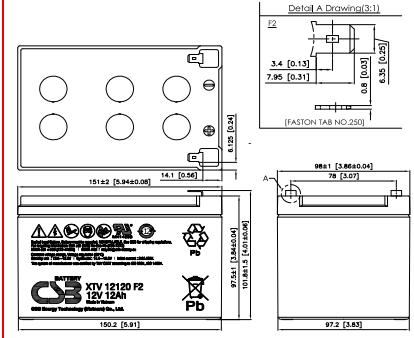
Maintenance-Free Sealed Lead Acid Battery with Hybrid Gel technology.
 Recommended backup options of windturbine system.
 Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

General Design for Standby Power Applications at Extreme Temperatures

【Design Life】 Up to 12 Years in Standby Service at 25°C Eurobat (20°C) : 10/12 YEARS LONG LIFE 【Operating Temperature Range】 Nominal Operating Temperature : 25°C (77°F) Discharge : -20°C ~ 50°C (-4°F~122°F) 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/Unit at 25°C (77°F) 【Equalization Charging Voltage】 14.4 ~ 15.0 VDC/Unit at 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).
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Specification Design according with IEC 61056-1/2:2012

Nominal Voltage	12V (6 cells per unit)	
Nominal Capacity	12 Ah @20hr-rate to 1.75V per cell @25°C (77°F)	
Weight	Approx. 4.10 Kg (9.02 lbs)	
Maximum Discharge Current	180A (5sec)	
Internal Resistance	Approx. 15.0 mΩ	
Short Circuit Current	438A	
Maximum Charge Current	3.60A	
Terminal types	F2 terminal -Faston Tab 250	
Terminal tightening torque	--	
Container Material	ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request	
Dimensions	Length (L)	151.0±2.0 mm 5.94±0.08 inch
	Width (W)	98.0±1.0 mm 3.86±0.04 inch
	Container Height (h)	97.5±1.0 mm 3.84±0.04 inch
	Overall Height (H)	101.8±1.5 mm 4.01±0.06 inch



Constant Current Discharge Characteristics Unit: A (25°C, 77°F)												
F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	51.8	31.3	23.0	13.5	7.89	5.77	4.56	3.28	2.14	1.43	1.18	0.63
1.67V	49.8	30.9	22.9	13.4	7.85	5.74	4.54	3.26	2.13	1.42	1.17	0.62
1.70V	48.5	30.5	22.7	13.3	7.82	5.72	4.53	3.25	2.12	1.41	1.16	0.61
1.75V	45.2	29.3	22.2	13.2	7.75	5.68	4.49	3.23	2.11	1.40	1.15	0.60
1.80V	40.3	27.4	22.1	12.8	7.61	5.59	4.43	3.19	2.07	1.39	1.14	0.59
1.85V	34.8	24.6	19.1	12.0	7.26	5.35	4.25	3.07	1.99	1.34	1.10	0.58

Constant Power Discharge Characteristics Unit: W (25°C, 77°F)												
F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	555	355	268	156	92.1	67.5	53.7	38.9	25.7	17.2	14.2	7.57
1.67V	538	351	267	155	91.7	67.3	53.5	38.8	25.6	17.1	14.1	7.55
1.70V	525	347	265	154	91.4	67.1	53.4	38.7	25.5	17.0	14.0	7.53
1.75V	495	337	260	153	90.9	66.7	53.1	38.5	25.4	16.9	13.9	7.49
1.80V	454	319	248	150	89.7	65.9	52.5	38.0	25.1	16.8	13.8	7.39
1.85V	399	293	228	143	86.3	63.6	50.7	36.8	24.3	16.2	13.4	7.14

*Preliminary spec

Issued: 230204

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Recognized under UL 1989,
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