XTV series

XTV 12200-WT

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℃
Eurobat (20℃) : 10/12 YEARS LONG LIFE

【 Operating Temperature Range】
Nominal Operating Temperature : 25℃(77℉)
Discharge : -20℃ ~ 50℃ (-4℉~122℉)
Charge: -20℃ ~ 50℃ (-4℉~122℉)
Storage: -15℃ ~ 40℃ (5℉~104℉)

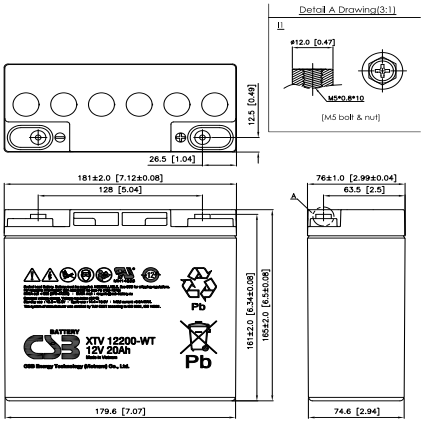
【 Float Charging Voltage】
13.5 ~ 13.8 VDC/Unit at 25℃ (77℉)

【Equalization Charging Voltage 】
14.4 ~ 15.0 VDC/Unit at 25℃ (77℉)

【 Self Discharge】
Less than 10% after 90 days, can be stored up to 6 months at 25℃ (77℉); Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25℃ (77℉).

Specification — Design according with IEC 61056-1/2:2012

Nominal Voltage	12V (6 cells per unit)		
Nominal Capacity	20 Ah @20hr-rate to 1.75V per cell @25℃ (77℉)		
Weight	Approx. 6.35 Kg (14.00 lbs)		
Maximum Discharge Current	230A (5sec)		
Internal Resistance	Approx. 12.2 mΩ		
Short Circuit Current	591A		
Maximum Charge Current	6.0A		
Terminal types	I1 thread lead alloy terminal to accept M5 bolt		
Terminal tightening 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) & Flame Retardant (94-V0) available upon request		
Dimensions	Length (L)	181.0±2.0 mm	7.12±0.08 inch
	Width (W)	76.0±1.0 mm	2.99±0.04 inch
	Container Height (h)	165.0±2.0 mm	6.50±0.08 inch
	Overall Height (H)	165.0±2.0 mm	6.50±0.08 inch



Constant Current Discharge Characteristics Unit: A (25℃, 77℉)

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	85.4	52.9	39.4	22.9	13.2	9.59	7.54	5.38	3.50	2.35	1.93	1.03
1.67V	79.7	51.2	38.6	22.6	13.1	9.51	7.48	5.34	3.47	2.34	1.92	1.02
1.70V	76.7	50.1	38.1	22.4	13.0	9.46	7.45	5.27	3.46	2.33	1.91	1.01
1.75V	69.8	47.4	36.7	21.9	12.8	9.34	7.36	5.25	3.42	2.30	1.89	1.00
1.80V	62.1	43.7	34.2	21.1	12.4	9.11	7.18	5.14	3.34	2.25	1.85	0.974
1.85V	53.6	39.3	30.7	19.7	11.7	8.66	6.85	4.91	3.20	2.16	1.77	0.933

Constant Power Discharge Characteristics Unit: W (25℃, 77℉)

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	866	567	430	263	153	111	88.1	63.3	41.1	27.6	22.7	12.1
1.67V	823	554	424	258	151	110	87.6	62.8	40.8	27.4	22.6	12.0
1.70V	798	545	419	256	150	109	87.3	62.1	40.7	27.3	22.5	11.9
1.75V	748	522	406	252	149	108	86.5	62.0	40.3	27.0	22.2	11.8
1.80V	690	490	384	245	145	107	84.8	61.0	39.5	26.4	21.7	11.7
1.85V	598	446	350	231	139	103	81.4	58.7	38.0	25.4	20.9	11.3

*Preliminary spec

Issued: 201229

Sales Offices

希世比能源科技股份有限公司
CSB Energy Technology Co., Ltd.

Recognized under UL 1989,
and certified by ISO 9001, 14001, 45001, 50001.

MH14533

BUSINESS HEADQUARTERS
Tel: +886-2-2880-5600
Fax: +886-2-2888-3300

USA OFFICE
Tel: +1-817-244-7777 / 1-(800)3-CSB-USA (272872)
Fax: +1-817-244-4445

EUROPE (EMEA) OFFICE
Tel: +31(0)180-418-140
Fax: +31(0)180-418-327

TAIPEI OFFICE
Tel: +886-2-2880-5600
Fax: +866-2-2888-3300

SHENZHEN OFFICE (CHINA)
Tel: +86-755-8831-6488/6775/6075
Fax: +86-755-8831-6548

SHANGHAI OFFICE (CHINA)
Tel: +86-21-5046-1622/0833/0094
Fax: +86-21-5046-1046

BEIJING OFFICE (CHINA)
Tel: +86-10-6597-8065/8165/8265
Fax: +86-10-6597-8565