



XTV series XTV 1272 F2-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°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】

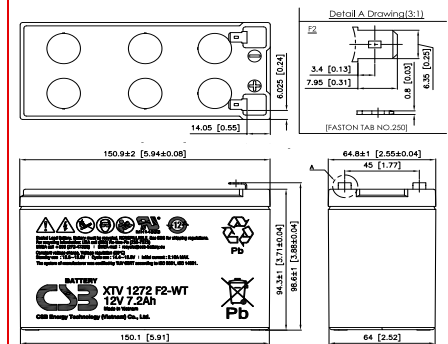
14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

【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).

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

Nominal Voltage	12V (6 cells per unit)	
Nominal Capacity	7.2Ah @20hr-rate to 1.75V per cell @25°C (77°F)	
Weight	Approx. 2.57 Kg (5.66 lbs)	
Maximum Discharge Current	130A (5sec)	
Internal Resistance	Approx. 20.40 mΩ	
Short Circuit Current	305A	
Maximum Charge Current	2.16A	
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)	150.9±2.0 mm 5.94±0.08 inch
	Width (W)	64.8±1.0 mm 2.55±0.04 inch
	Container Height (h)	94.3±1.0 mm 3.71±0.04 inch
	Overall Height (H)	98.6±1.0 mm 3.88±0.04 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	27.7	17.7	13.4	7.94	4.60	3.35	2.67	1.93	1.25	0.88	0.72	0.40
1.67V	26.8	17.4	13.3	7.87	4.47	3.28	2.63	1.89	1.24	0.87	0.71	0.39
1.70V	25.8	17.1	13.2	7.81	4.41	3.24	2.61	1.89	1.23	0.86	0.70	0.38
1.75V	24.6	16.4	12.9	7.74	4.31	3.21	2.60	1.88	1.22	0.84	0.69	0.37
1.80V	21.8	15.4	12.3	7.52	4.22	3.16	2.57	1.86	1.21	0.82	0.68	0.36
1.85V	18.3	13.9	11.2	7.10	4.10	3.06	2.48	1.79	1.19	0.80	0.66	0.35

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	299	193	149	89.8	54.8	40.0	32.1	23.1	15.2	10.3	8.64	4.68
1.67V	290	190	148	89.3	54.7	39.9	31.9	23.0	15.1	10.2	8.62	4.62
1.70V	282	188	147	88.8	54.5	39.8	31.8	22.9	15.0	10.1	8.59	4.60
1.75V	264	182	145	88.1	53.8	39.5	31.7	22.8	14.9	10.0	8.55	4.55
1.80V	239	173	138	86.3	53.2	39.1	31.4	22.7	14.8	9.92	8.50	4.50
1.85V	206	160	128	82.3	51.8	37.8	30.2	21.9	14.7	9.84	8.26	4.44

*Preliminary spec

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



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