



**XTV series**

# XTV 1285 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】

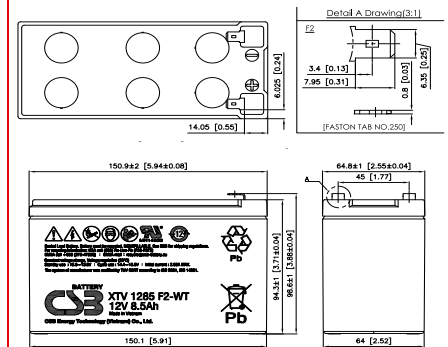
14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

#### 【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	8.5 Ah @20hr-rate to 1.75V per cell @25°C (77°F)		
Weight	Approx. 2.62 Kg (5.77 lbs)		
Maximum Discharge Current	130A (5sec)		
Internal Resistance	Approx. 20.9 mΩ		
Short Circuit Current	288		
Maximum Charge Current	2.55A		
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	35.9	22.3	16.5	9.70	5.65	4.12	3.27	2.35	1.53	1.02	0.839	0.448	
1.67V	34.1	21.8	16.3	9.64	5.62	4.10	3.25	2.34	1.52	1.01	0.834	0.446	
1.70V	33.1	21.5	16.1	9.58	5.60	4.09	3.24	2.33	1.51	1.01	0.830	0.444	
1.75V	30.8	20.6	15.7	9.42	5.53	4.05	3.21	2.31	1.50	1.00	0.823	0.440	
1.80V	27.9	19.2	14.8	9.12	5.40	3.97	3.15	2.27	1.47	0.984	0.808	0.433	
1.85V	25.0	17.4	13.5	8.59	5.13	3.80	3.02	2.19	1.42	0.945	0.777	0.416	

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	374	243	185	111	65.2	47.8	37.9	27.4	18.1	12.1	9.88	5.31	
1.67V	360	239	183	110	65.0	47.7	37.8	27.3	18.0	12.0	9.84	5.29	
1.70V	351	236	182	109	64.8	47.6	37.7	27.2	17.9	11.9	9.82	5.28	
1.75V	332	228	177	108	64.2	47.3	37.5	27.0	17.8	11.8	9.75	5.24	
1.80V	308	216	168	105	62.9	46.5	36.9	26.7	17.5	11.7	9.61	5.17	
1.85V	273	200	155	100	60.3	44.8	35.6	25.8	17.0	11.3	9.29	4.99	

\*Preliminary spec

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



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