



**XHRL series**

**XHRL 12800WFT**



**Valve Regulated Lead Acid Battery**

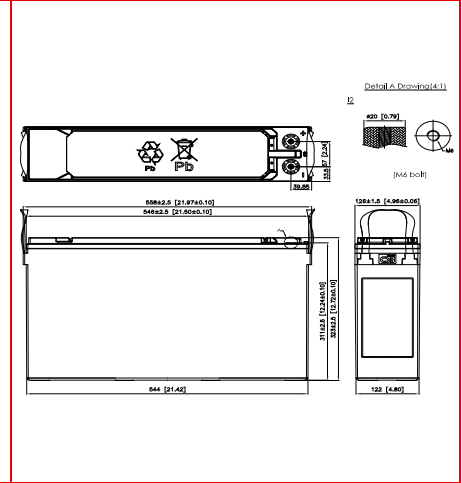
Maintenance-Free Sealed Lead Acid Battery.  
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

**General Design for Standby Power Applications**

<p><b>【Design Life】</b> Up to 10 Years in Standby Service at 25°C Eurobat (20°C) : &gt;12 YEARS VERY LONG LIFE</p> <p><b>【Operating Temperature Range】</b> Nominal Operating Temperature : 25°C (77°F) Discharge : -15°C ~ 50°C (5°F~122°F) Charge: -15°C ~ 40°C (5°F~104°F) Storage: -15°C ~ 40°C (5°F~104°F)</p>	<p><b>【Float Charging Voltage】</b> 13.5 ~ 13.8 VDC/Unit at 25°C (77°F)</p> <p><b>【Equalization Charging Voltage】</b> 14.4 ~ 15.0 VDC/Unit at 25°C (77°F)</p> <p><b>【Self Discharge】</b> 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).</p>
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**Specification Design according with IEC 60896-21/22:2004**

Nominal Voltage	12V (6 cells per unit)		
Nominal Capacity	800W @15min-rate to 1.67V per cell @25°C (77°F)		
Weight	Approx. 65.30 Kg (143.96 lbs)		
Maximum Discharge Current	1660A		
Internal Resistance	Approx. 2.17 mΩ		
Short Circuit Current	4570A		
Maximum Charge Current	80A		
Terminal types	I2 thread lead alloy terminal to accept M6 bolt		
Terminal tightening 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		
Dimensions	Length (L)	558.0±2.5 mm	21.97±0.10 inch
	Width (W)	126.0±1.5 mm	4.96±0.06 inch
	Container Height (h)	312.0±2.5 mm	12.28±0.10 inch
	Overall Height (H)	323.0±2.5 mm	12.72±0.10 inch



**Constant Current Discharge Characteristics Unit: A (25°C, 77°F)**

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	1091	909	837	782	694	621	492	401	291	206	162	115
1.67V	940	798	749	704	627	572	458	384	282	204	159	113
1.70V	888	753	707	662	597	551	441	375	277	202	158	112
1.75V	739	664	625	595	551	497	408	353	264	197	156	111
1.80V	577	557	550	534	478	438	373	320	244	187	149	107
1.85V	549	475	450	430	401	380	320	280	220	170	136	100

**Constant Power Discharge Characteristics Unit: W (25°C, 77°F)**

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	10392	8963	8410	7876	7102	6542	5176	4265	3144	2318	1839	1317
1.67V	9370	8256	7723	7313	6710	6074	4929	4117	3070	2289	1820	1307
1.70V	8846	7847	7396	7047	6497	5834	4797	4015	3018	2268	1805	1300
1.75V	8124	7138	6846	6617	5920	5388	4541	3791	2897	2213	1763	1278
1.80V	6823	6580	6201	5826	5280	4892	4171	3482	2720	2105	1688	1236
1.85V	5953	5231	5018	4850	4597	4410	3623	3083	2483	1931	1565	1163

**Constant Power Discharge Characteristics Unit: W (25°C, 77°F)**

F.V/Time	30SEC	40SEC	50SEC	60SEC	70SEC	80SEC	90SEC
1.60V	12240	11895	11633	11425	11251	11102	10973
1.67V	10987	10890	10578	10314	10096	9912	9751
1.70V	9391	9275	9186	9114	9054	9002	8956

\*\*Preliminary spec sheet Issued: 230408

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



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