



# XPL series XPL9000FT

## 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

#### 【Design Life】

Up to 10 Years in Standby Service at 25°C  
Eurobat (20°C) : >12 YEARS VERY LONG LIFE

#### 【Operating Temperature Range】

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)

#### 【Float Charging Voltage】

13.5 ~ 13.8 VDC/Unit at 25°C (77°F)

#### 【Equalization Charging Voltage】\*

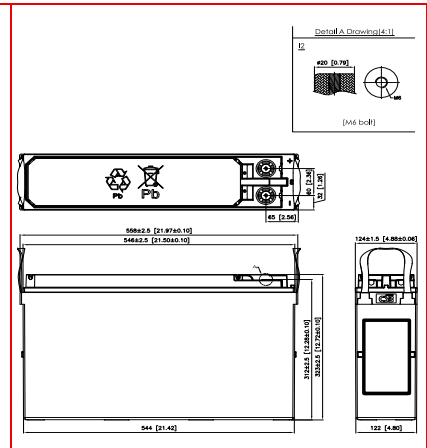
14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

#### 【Self Discharge】

Less than 10% after 90 days, can be stored up to 6 months and 10 months with equalization charge\* 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 60896-21/22:2004

Nominal Voltage	12V (6 cells per unit)	
Nominal Capacity	9000W @5min-rate to 9.60V per PCS @25°C (77°F)	
Weight	Approx. 68.80 Kg (151.64 lbs)	
Maximum Discharge Current	1900A	
Internal Resistance	Approx. 1.86 mΩ	
Short Circuit Current	--	
Maximum Charge Current	75.8A	
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)	124.0±1.5 mm      4.88±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	1179	996	922	866	765	683	535	439	317	226	175	119
1.67V	1045	889	840	786	697	634	503	424	309	223	172	118
1.70V	975	847	796	743	666	609	486	414	302	221	171	117
1.75V	838	753	707	671	617	554	455	387	288	215	167	116
1.80V	726	654	632	608	542	496	422	353	269	205	160	113
1.85V	630	561	529	503	466	439	370	312	244	187	148	107

#### 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	11408	9835	9141	8610	7835	7167	5707	4809	3503	2551	2013	1439
1.67V	10443	9058	8522	8108	7495	6728	5472	4615	3412	2522	1993	1428
1.70V	10050	8679	8224	7870	7243	6502	5345	4499	3356	2503	1979	1420
1.75V	9045	8040	7741	7505	6709	6087	5101	4256	3231	2446	1940	1399
1.80V	7772	7499	7271	6794	6103	5616	4733	3948	3058	2339	1866	1358
1.85V	7540	6635	6232	5921	5462	5130	4205	3566	2826	2166	1744	1285

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

F.V/Time	30SEC	40SEC	50SEC	60SEC	70SEC	80SEC	90SEC
1.60V	14096	13958	13512	13075	12717	12418	12118
1.67V	12430	12244	11855	11546	11292	11079	10887
1.70V	11592	11254	10998	10793	10624	10481	10352

\*\*Preliminary spec sheet

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Recognized under UL 1989,  
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