



# XPL series XPL7000FT



## Valve Regulated Lead Acid Battery

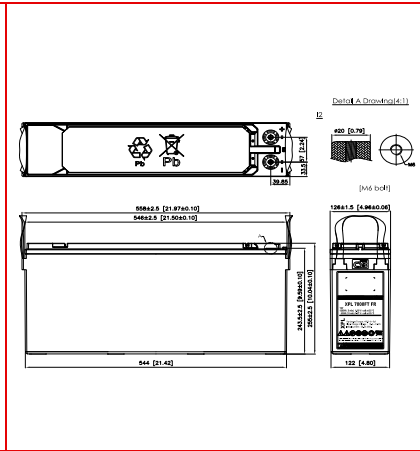
Maintenance-Free Sealed Lead Acid Battery.  
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

### General Design for Standby Power Applications

<b>【Design Life】</b> Up to 10 Years in Standby Service at 25°C Eurobat (20°C) : >12 YEARS VERY LONG LIFE <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)	<b>【Float Charging Voltage】</b> 13.5 ~ 13.8 VDC/Unit at 25°C (77°F) <b>【Equalization Charging Voltage】 *</b> 14.4 ~ 15.0 VDC/Unit at 25°C (77°F) <b>【Self Discharge】</b> 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).
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### Specification Design according with IEC 60896-21/22:2004

Nominal Voltage	12V (6 cells per unit)	
Nominal Capacity	7000W @5min-rate to 9.60V per PCS @25°C (77°F)	
Weight	Approx. 49.70 Kg (109.57 lbs)	
Maximum Discharge Current	1550A	
Internal Resistance	Approx. 2.01 mΩ	
Short Circuit Current	4132A	
Maximum Charge Current	58.3A	
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)	243.5±2.5 mm      9.59±0.10 inch
	Overall Height (H)	255.0±2.5 mm      10.04±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	981	798	728	662	566	491	368	295	213	154	120	83.5
1.67V	876	729	661	610	526	464	353	288	209	152	118	82.7
1.70V	829	688	629	585	504	449	344	282	206	151	117	82.3
1.75V	732	618	573	529	465	416	325	269	199	148	115	81.0
1.80V	596	545	502	470	418	372	300	249	188	142	111	78.5
1.85V	460	443	436	403	357	325	265	222	172	130	103	74.1

#### 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	9681	7936	7314	6771	5810	5141	3971	3269	2405	1769	1393	994
1.67V	8928	7390	6865	6308	5520	4902	3855	3191	2366	1754	1382	988
1.70V	8577	7138	6567	6072	5367	4761	3783	3136	2338	1741	1373	983
1.75V	7674	6535	6030	5646	5019	4473	3629	3006	2269	1704	1349	970
1.80V	6988	5814	5474	5185	4554	4118	3395	2814	2160	1637	1303	945
1.85V	5432	5153	4758	4458	4022	3714	3029	2550	2001	1522	1222	897

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

F.V/Time	30SEC	40SEC	50SEC	60SEC	70SEC	80SEC	90SEC
1.60V	12140	11661	11302	11017	10782	10582	10368
1.67V	10596	10497	10300	9998	9749	9539	9358
1.70V	9180	9080	9003	8940	8887	8842	8803

\*\*Preliminary spec sheet

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



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