



# XPL series XPL2700



## 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】\*

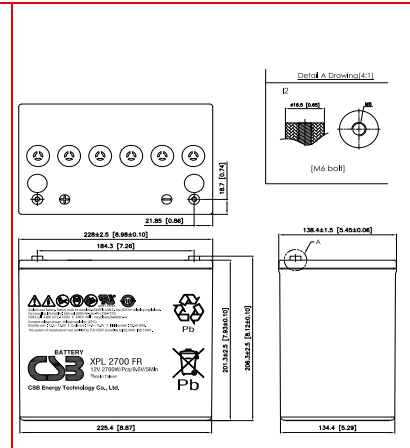
14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

#### 【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	2700W @5min-rate to 9.60V per PCS @25°C (77°F)		
Weight	Approx. 18.52 Kg (40.82 lbs)		
Maximum Discharge Current	650A		
Internal Resistance	Approx. 4.20 mΩ		
Short Circuit Current	1680A		
Maximum Charge Current	22.5A		
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)	228.0±2.5 mm	8.98±0.10 inch
	Width (W)	138.4±1.5 mm	5.45±0.06 inch
	Container Height (h)	201.3±2.5 mm	7.93±0.10 inch
	Overall Height (H)	206.3±2.5 mm	8.12±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	403	326	293	267	224	192	142	113	81.4	57.7	45.2	32.0
1.67V	368	296	271	247	212	183	138	110	80.4	57.1	44.8	31.8
1.70V	348	283	259	238	205	178	135	108	79.7	56.7	44.5	31.7
1.75V	315	258	237	221	190	168	129	105	77.6	55.5	43.8	31.3
1.80V	277	231	216	198	173	154	121	98.7	74.1	53.4	42.4	30.5
1.85V	234	201	185	173	153	137	111	90.9	68.6	49.9	39.9	29.0

### 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	3948	3231	2934	2712	2317	2025	1546	1248	923	663	524	377
1.67V	3665	3017	2779	2598	2220	1966	1516	1229	914	658	521	375
1.70V	3524	2914	2703	2512	2165	1926	1495	1214	906	653	518	373
1.75V	3287	2734	2550	2345	2055	1830	1444	1179	886	642	510	369
1.80V	2950	2525	2314	2155	1917	1702	1372	1126	851	620	496	361
1.85V	2610	2205	2064	1955	1714	1545	1270	1046	796	585	470	345

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

F.V/Time	30SEC	40SEC	50SEC	60SEC	70SEC	80SEC	90SEC
1.60V	4689	4562	4465	4388	4273	4176	4092
1.67V	4315	4198	4110	4039	3961	3894	3836
1.70V	4176	4051	3957	3882	3803	3735	3677

Please refer to the official site for the latest rating confirmation. URL: [www.csb-battery.com](http://www.csb-battery.com)

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



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