



# XPL series XPL4200



## Valve Regulated Lead Acid Battery

Maintenance-Free Sealed Lead Acid Battery.

Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

## Design for Standby Power Applications

### 【Design Life】

Up to 10 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 : -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】

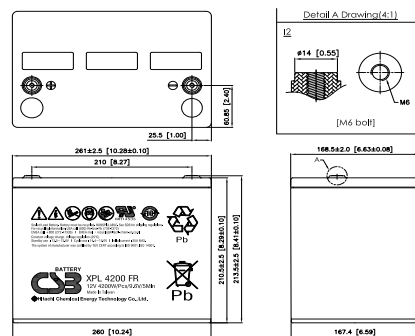
Less than 10% after 90 days, can be stored up to 6 months at 25°C (77°F);

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	4200W @5min-rate to 9.60V per PCS @25°C (77°F)	
Weight	Approx. 28.50 Kg (62.81 lbs)	
Maximum Discharge Current	900A (30 Seconds)	
Internal Resistance	Approx. 3.14 mΩ	
Short Circuit Current	2525A	
Maximum Charge Current	35A	
Terminal types	I2 thread lead alloy terminal to accept M6 bolt	
Terminal tightening torque	51.7±10.3 Kg·cm / 44.9±9.0 Lbf·in / 5.10±1.0 N·m	
Container Material	Flame Retardant Polypropylene (UL 94-V0)	
Dimensions	Length (L)	261.0±2.5 mm      10.28±0.10 inch
	Width (W)	168.5±2.0 mm      6.63±0.08 inch
	Container Height (h)	210.5±2.5 mm      8.29±0.10 inch
	Overall Height (H)	213.5±2.5 mm      8.41±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	577	468	422	387	331	287	207	164	117	83.7	65.8	46.9
1.67V	524	421	386	360	308	272	200	159	116	82.8	65.2	46.6
1.70V	490	400	370	342	296	262	195	156	115	82.1	64.8	46.4
1.75V	438	364	334	310	275	240	185	150	111	80.3	63.7	45.9
1.80V	366	316	295	278	243	215	170	140	106	77.1	61.5	44.7
1.85V	294	272	254	235	208	189	150	126	97.8	71.6	57.4	42.0

## 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	5495	4614	4217	3918	3406	2999	2282	1834	1348	968	766	550
1.67V	5068	4277	3963	3738	3228	2882	2221	1797	1334	960	761	548
1.70V	4873	4118	3841	3594	3133	2816	2181	1772	1323	954	757	546
1.75V	4575	3842	3591	3328	2951	2655	2091	1713	1294	938	747	541
1.80V	4009	3488	3231	3036	2739	2439	1969	1625	1240	906	725	530
1.85V	3535	3020	2871	2739	2417	2185	1789	1491	1153	850	684	504

\*\*Preliminary spec sheet

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

