



XPL Series

XPL 3500 Datasheet

12V Top Terminal VRLA-AGM

Specifications

Voltage (Vdc)	12
Nominal Capacity (9.60V per PCS @ 25°C)	3500W @5min-rate
Watts Per Cell (30-Sec 1.67 VPC @ 25°C)	862.33
Watts Per Cell (5-Min 1.67 VPC @ 25°)	558.00
Watts Per Cell (15-Min 1.67 VPC @ 25°)	318.67
Max Charge Current (A)	29.20
Max Discharge Current (A)	750
Short Circuit Current (A)	2206
Internal Resistance (mΩ)	Approx. 3.83
Terminal Type	I2 thread lead alloy terminal to accept M6 bolt
Terminal 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
Weight (kg. / lb., Approx.)	25.80 / 56.86
Length (L) (mm / in)	261.0±2.5 / 10.28±0.10
Width (W) (mm / in)	168.5±2.0 / 6.63±0.08
Height (H) (mm / in)	213.5±2.5 / 8.41±0.10
Design Life	Up to 10 Years in Standby Service at 25°C Eurobat (20°C): >12 Years Very Long Life
Operating Temperature	Nominal: 25°C (77°F) Discharge: -15°C - 50°C (5°F-122°F) Charge/Storage: -15°C - 40°C (5°F - 104°F)
Float Charging Voltage	13.5 - 13.8 Vdc/battery 25°C (77°F)
Eq. Charging Voltage	14.4 - 15.0 Vdc/battery 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 25C (77F); Full recharging is required before usage, and charged sooner if stored at higher temperature than 25C (77F).



Valve Regulated Lead Acid (VRLA) Battery

Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%

Pure Lead Construction and Proprietary Elements

Designed for High-Rate UPS, Float Service Standby Power Applications

Built in Accordance with IEC 60896-21/22:2004 and UL1989 Recognized (MH14533)





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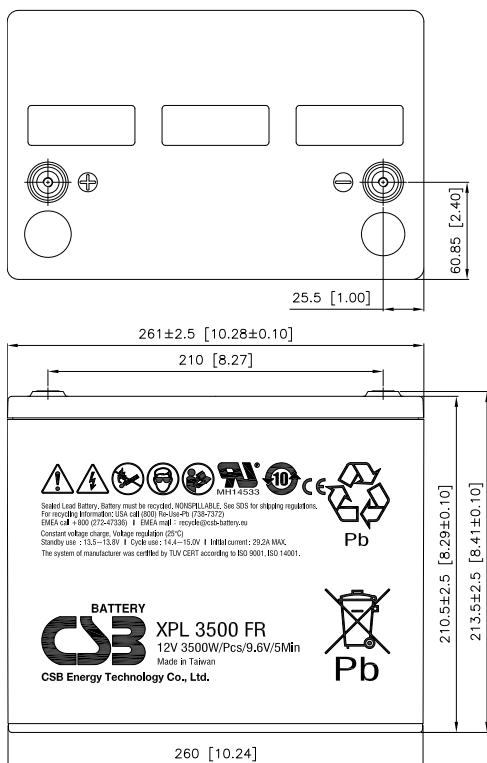
12V Top Terminal VRLA-AGM

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

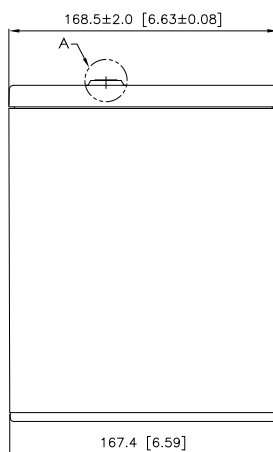
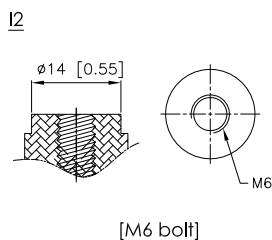
F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
10.02V (1.67 VPC)	419	350	318	293	252	221	167	134	98.8	71.5	56.9	41.2
10.50V (1.75 VPC)	355	296	276	254	223	199	155	127	95.2	69.5	55.6	40.6
10.80V (1.80 VPC)	297	260	240	225	201	178	144	119	90.4	66.7	53.8	39.7

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
10.02V (1.67 VPC)	4475	3593	3348	3160	2752	2457	1912	1547	1148	836	667	485
10.50V (1.75 VPC)	3725	3242	3080	2856	2535	2284	1810	1481	1116	817	655	480
10.80V (1.80 VPC)	3246	2996	2778	2612	2352	2130	1707	1407	1070	790	637	470



Detail A Drawing(4:1)



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