



# XPL Series

## XPL 4700 Datasheet

12V Top Terminal VRLA-AGM



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)



### Specifications

Voltage (Vdc)	12
Nominal Capacity (9.60V per PCS @ 25°C)	4700W @5min-rate
Watts Per Cell (30-Sec 1.67 VPC @ 25°C)	1054.67
Watts Per Cell (5-Min 1.67 VPC @ 25°)	758.17
Watts Per Cell (15-Min 1.67 VPC @ 25°)	438.83
Max Charge Current (A)	39.20
Max Discharge Current (A)	1050
Short Circuit Current (A)	2759
Internal Resistance (mΩ)	Approx. 2.86
Terminal Type	12 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.)	33.00 / 72.73
Length (L) (mm / in)	308.7±2.5 / 12.15±0.10
Width (W) (mm / in)	169.0±2.0 / 6.65±0.08
Height (H) (mm / in)	213.6±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).



# XPL Series

## XPL 4700 Datasheet

12V Top Terminal VRLA-AGM

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

F.V/Time	30SEC	60SEC	2MIN	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
10.02V (1.67 VPC)	647	617	561	432	345	305	231	185	135	96.5	76.1	54.5
10.50V (1.75 VPC)	549	524	476	375	308	272	214	173	129	93.2	74.1	53.6
10.80V (1.80 VPC)	471	450	408	330	275	245	197	161	122	89.0	71.3	52.2

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

F.V/Time	30SEC	60SEC	2MIN	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
10.02V (1.67 VPC)	6328	6042	5489	4549	3717	3341	2633	2137	1593	1142	902	647
10.50V (1.75 VPC)	5579	5327	4839	4065	3398	3078	2465	2025	1535	1109	881	637
10.80V (1.80 VPC)	4874	4748	4602	3665	3133	2836	2315	1913	1463	1066	851	620

