



GPL Series

GPL121100 Datasheet

12V Top Terminal VRLA-AGM

Specifications

Voltage (Vdc)	12
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	102
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	110
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	100
Max Charge Current (A)	33.0
Max Discharge Current (A)	800(5sec)
Short Circuit Current (A)	2305
Internal Resistance	Approx. 3.9 mΩ
Terminal Type	I2 thread lead alloy terminal to accept M6 bolt
Terminal Torque	51.7±10.3 Kg·cm / 44.9±9.0 Lbf·in / 5.10±1.0 N·m
Container Material	PP (UL 94-HB)
Weight (kg. / lb., Approx.)	33.1 / 72.9
Length (L) (mm / in)	343.0±2.5 / 13.50±0.10
Width (W) (mm / in)	170.0±2.0 / 6.69±0.0
Height (H) (mm / in)	216.9±2.5 / 8.54±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).



Made in Vietnam

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 Float Service
Standby Power Applications

Built in Accordance with IEC
60896-21/22:2004, UL1973
Listed (MH66728) and UL1989
Recognized (MH14533)

Certified by TUV NORD
according to ISO 9001:2015





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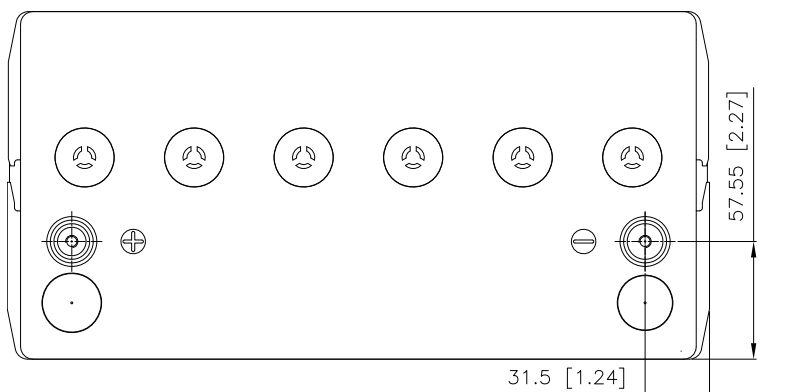
12V Top Terminal VRLA-AGM

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

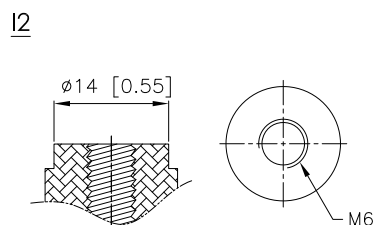
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
10.02V (1.67 VPC)	346	258	218	133	78.0	55.9	43.8	31.1	19.7	12.9	10.6	5.52
10.50V (1.75 VPC)	272	228	203	124	75.9	54.6	42.9	30.6	19.4	12.7	10.4	5.46
10.80V (1.80 VPC)	226	211	180	115	73.4	53.0	41.8	29.9	19.0	12.5	10.2	5.36

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

F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
10.02V (1.67 VPC)	3,618	2,762	2,358	1,481	902	652	513	366	233	153	126	66.1
10.50V (1.75 VPC)	3,030	2,512	2,223	1,400	882	640	505	361	231	152	124	65.5
10.80V (1.80 VPC)	2,476	2,318	2,017	1,315	858	623	493	354	226	149	122	64.5



Detail A Drawing(3:1)



[M6 bolt]

