GPL Series

GPL 12880 Datasheet

12V Top Terminal VRLA-AGM

Specifications	
Voltage (Vdc)	12
Nominal Capacity (1.75 VPC @25°C)	88 Ah @20hr-rate
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	88.00
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	94.80
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	86.4
Max Charge Current (A)	26.40
Max Discharge Current (A)	800
Short Circuit Current (A)	2098
Internal Resistance (mΩ)	Approx. 3.6
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 / 5.10±1.0 N·m
Container Material	PP (UL 94-HB) & Flame Retardant (94-V0) available upon request
Weight (kg. / lb., Approx.)	29.70 / 65.46
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 at 25°C (77°F); Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25°C (77°F).



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 and UL1989 Recognized (MH14533)

MH14533

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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)	321	225	171	102	62.4	45.2	36.0	25.5	16.9	11.2	9.12	4.84
10.50V (1.75 VPC)	274	199	163	99.0	60.3	43.9	35.1	25.1	16.6	11.0	8.96	4.74
10.80V (1.80 VPC)	246	186	154	96.1	58.8	43.1	34.6	24.6	16.2	10.8	8.85	4.66

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)	3307	2417	1919	1169	719	531	428	305	202	135	109	57.9
10.50V (1.75 VPC)	2995	2261	1828	1145	707	524	424	301	200	132	107	57.5
10.80V (1.80 VPC)	2782	2129	1734	1113	694	516	418	298	198	130	106	57.1

