GP Series

GP 12650 Datasheet

12V Top Terminal VRLA-AGM

Specifications	
Voltage (Vdc)	12
Nominal Capacity (1.75 VPC @25°C)	65 Ah @20hr-rate
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	62.9
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	65.0
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	62.1
Max Charge Current (A)	19.5
Max Discharge Current (A)	500
Short Circuit Current (A)	1663
Internal Resistance (mΩ)	Approx. 5.8
Terminal Type	I2 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.)	20.00 / 44.08
Length (L) (mm / in)	349.4±2.5 / 13.76±0.10
Width (W) (mm / in)	166.0±2.0 / 6.54±0.08
Height (H) (mm / in)	174.9±2.0 / 6.89±0.08
Design Life	Up to 5 Years in Standby Service at 25°C Eurobat (20°C): 3-5 Years Standard Commercial
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

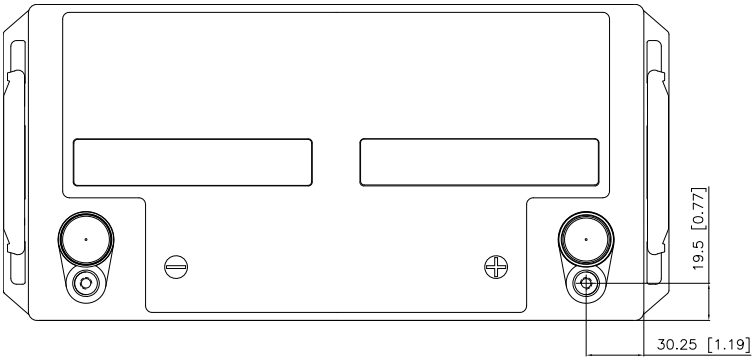
GP Series

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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)	242	162	124	78.3	46.9	34.1	27.2	19.3	12.3	7.97	6.47	3.42
10.50V (1.75 VPC)	208	147	117	75.4	46.4	33.8	27.0	19.1	12.1	7.86	6.32	3.25
10.80V (1.80 VPC)	186	137	111	73.4	45.9	33.6	26.9	19.0	12.0	7.76	6.21	3.14

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)	2900	1940	1503	935	562	409	326	231	147	96.0	77.7	39.2
10.50V (1.75 VPC)	2490	1760	1400	903	555	405	324	229	145	94.3	75.8	37.1
10.80V (1.80 VPC)	2230	1640	1330	881	550	403	323	228	144	93.1	74.5	35.7



Detail A Drawing(3:1)

