



GP Series

GP1223 Datasheet

12V Top Terminal VRLA-AGM

Specifications

Voltage (Vdc)	12
Nominal Capacity	2.3 Ah @20hr-rate
Ah Capacity (10-Hr 1.75 VPC @ 25°C)	2.10
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	2.30
Ah Capacity (10-Hr 1.80 VPC @ 25°C)	2.10
Max Charge Current (A)	0.69
Max Discharge Current (A)	34.5 (5 sec)
Short Circuit Current (A)	185 (5 sec)
Internal Resistance (mΩ)	Approx. 60.0
Terminal Type	F1 Terminal -Faston Tab 187
Terminal Torque	--
Container Material	ABS (UL 94-HB)
Weight (kg. / lb.)	0.91 / 2.00
Length (L) (mm / in)	178.0±2.0 / 7.00±0.08
Width (W) (mm / in)	35.0±1.0 / 1.38±0.04
Height (H) (mm / in)	66.0±1.0 / 2.60±0.04
Design Life	Up to 5 Years in Standby Service at 25°C ; Eurobat (20°C): 3-5 Years Standard Commercial Nominal: 25°C (77°F)
Operating Temperature	Discharge: -15°C - 50°C (5°F-122°F) Charge/Storage: -15°C - 50°C (5°F - 122°F)
Float Charging Voltage	13.6 - 13.8 Vdc/battery 25°C (77°F)
Eq. Charging Voltage	14.5 - 14.9 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 Float Service Standby Power Applications

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





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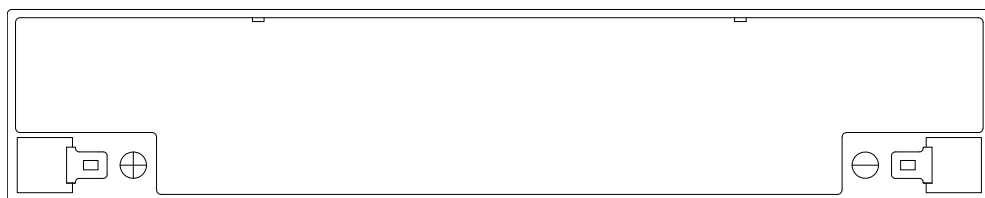
12V Top Terminal VRLA-AGM

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

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	10HR	20HR
10.20V (1.70VPC)	8.13	5.13	4.11	2.32	1.44	0.81	0.58	0.46	0.39	0.22	0.116
10.50V (1.75VPC)	7.78	4.91	3.97	2.26	1.41	0.79	0.58	0.46	0.39	0.21	0.115
10.80V (1.80VPC)	7.34	4.64	3.76	2.18	1.36	0.77	0.56	0.45	0.38	0.21	0.113

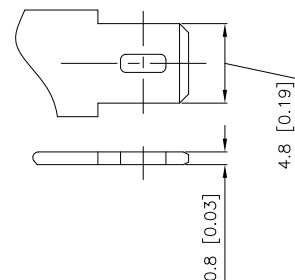
Constant Power Discharge Characteristics Unit: W (25°C, 77°F)

F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	10HR	20HR
10.20V (1.70VPC)	90.7	57.9	46.8	26.5	16.6	9.42	6.88	5.52	4.70	2.58	1.39
10.50V (1.75VPC)	86.8	55.4	45.2	25.9	16.3	9.28	6.83	5.48	4.67	2.57	1.38
10.80V (1.80VPC)	81.9	52.3	42.8	24.9	15.8	9.04	6.63	5.31	4.53	2.52	1.35



Detail A Drawing(3:1)

F1



178±2 [7.01±0.08]

