

Specifications

Voltage (Vdc)	12V
Ah Capacity (8HR to 1.75VPC @25°C)	18.4
Ah Capacity (20HR to 1.75VPC @25°C)	20.0
Ah Capacity (8HR to 1.80VPC @25°C)	18.0
Max Charge Current (A)	6.0
Max Discharge Current (A)	230 (5 sec)
Short Circuit Current (A)	591 (5 sec)
Internal Resistance (mΩ)	Approx. 12.2
Terminal Type	I1 thread alloy terminal to accept M5 bolt
Terminal Torque	30.4 ± 6.1 Kgf·cm / 26.4±5.3 Lbf·in / 3.0 ± 0.6 N·m
Container Material	ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request
Weight (kg. / lb.)	Approx. 6.35kg / 14.00lb
Length (L) (mm / in)	181.0 ± 2.0mm / 7.12 ± 0.08in
Width (W) (mm / in)	76.0 ± 1.0mm / 2.99 ± 0.04in
Height (H) (mm / in)	165.0 ± 2.0mm / 6.50 ± 0.06in
Design Life	Up to 12 Years in Standby Service at 25°C. Eurobat (20°C): >12 Years Very Long Life
Operating Temperature	Nominal: 25°C (77°F) Discharge: -20°C - 50°C (5°F - 122°F) Charge / Storage -20°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 & 10 months with equalization charge* @ 25°C (77°F). Full recharge required before use. Charge sooner if stored above 25°C (77°F).



KEY FEATURES

- 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

APPLICATIONS

- Designed for Float Service Standby Power Applications in Extreme Temperature Environments

SAFETY & COMPLIANCE

- Built in Accordance with IEC 60896-21/22:2004
- UL1973 Listed (MH66728)
- UL1989 Recognized (MH14533)
- Certified by TUV NORD according to ISO 9001:2015



Constant Current Discharge Characteristics Per Battery: Amperes (25°C / 77°F)

F.V/Time	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	12HR	20HR	24HR	48HR
10.02V (1.67VPC)	22.6	13.1	9.5	7.48	5.34	3.47	2.34	1.92	1.63	1.02	0.86	0.44
10.50V (1.75VPC)	21.9	12.8	9.3	7.36	5.25	3.42	2.30	1.89	1.60	1.00	0.84	0.44
10.80V (1.80VPC)	21.1	12.4	9.1	7.18	5.14	3.34	2.25	1.85	1.56	0.97	0.82	0.42

Constant Power Discharge Characteristics Per Battery: Watts (25°C / 77°F)

F.V/Time	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	12HR	20HR	24HR	48HR
10.02V (1.67VPC)	258	151	110	87.6	62.8	40.8	27.4	22.6	19.1	12.0	10.1	5.24
10.50V (1.75VPC)	252	149	108	86.5	62.0	40.3	27.0	22.2	18.8	11.8	9.95	5.15
10.80V (1.80VPC)	245	145	107	84.8	61.0	39.5	26.4	21.7	18.5	11.7	9.86	5.10

Line Drawing

