MU Series

MU-1000 Datasheet

2V VRLA-AGM

Specifications	
Voltage (Vdc)	2
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	904.00
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	1080.00
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	888.00
Max Charge Current (A)	300.00
Max Discharge Current (A)	3000 (5sec)
Short Circuit Current (A)	--
Internal Resistance	Approx. 0.29 mΩ
Terminal Type	I3 thread copper alloy terminal to accept M10 bolt
Terminal Torque	249±50 Kgf·cm / 216±43 Lbf·in / 24.4±4.9 N·m
Container Material	Flame Retardant Polypropylene (UL 94-V0)
Weight (kg. / lb., Approx.)	54.50 / 120.12
Length (L) (mm / in)	303.0±3.0 / 11.93±0.12
Width (W) (mm / in)	172.0±3.0 / 6.77±0.12
Depth (D) (mm / in)	497.0±3.0 / 19.57±0.12
Design Life	Up to 20 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	2.21 ~ 2.25 Vdc/battery 25°C (77°F)
Eq. Charging Voltage	2.35 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 High-Capacity 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

MH14533

CERTIFIED SAFETY US MH66728

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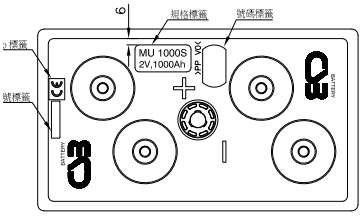
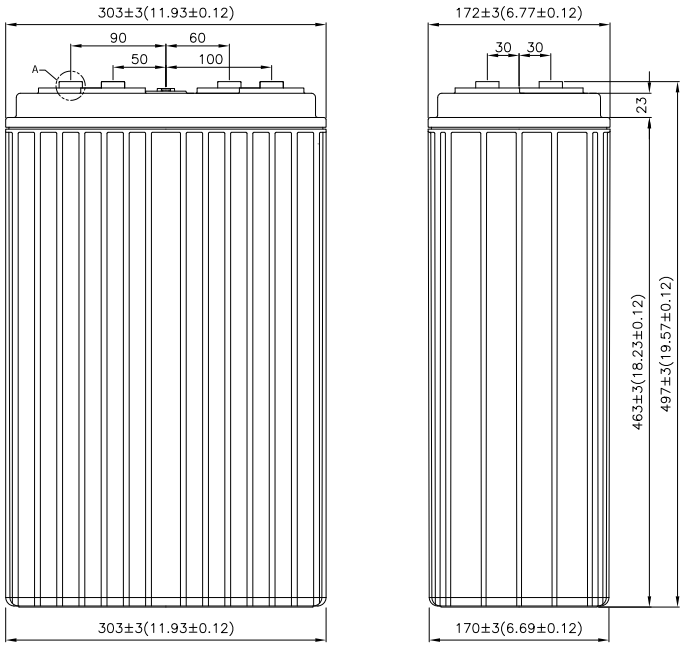
Constant Current Discharge Characteristics Per Battery: Amperes (25°C, 77°F)											
F.V/Time	**60MIN**	**90MIN**	**2HR**	**2.5HR**	**3HR**	**5HR**	**6HR**	**8HR**	**10HR**	**20HR**	**24HR**
1.67V	535	410	339	285	248	169	147	115	103	55.1	45.9
1.75V	457	371	316	272	241	166	145	113	101	54.0	45.0
1.80V	398	339	293	257	231	160	140	111	100	52.6	43.8

Constant Power Discharge Characteristics Per Battery: Watts (25°C, 77°F)											
F.V/Time	**60MIN**	**90MIN**	**2HR**	**2.5HR**	**3HR**	**5HR**	**6HR**	**8HR**	**10HR**	**20HR**	**24HR**
1.67V	964	736	610	525	465	318	276	222	201	108	90.4
1.75V	831	664	567	501	453	312	272	218	199	106	88.3
1.80V	726	601	526	473	434	299	262	213	196	105	87.5





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