



MU Series

MU900S Datasheet

2V VRLA-AGM



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



Specifications

Voltage (Vdc)	2
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	888.00
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	1032.00
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	872.00
Max Charge Current (A)	270.00
Max Discharge Current (A)	5400 (5sec)
Short Circuit Current (A)	--
Internal Resistance	Approx. 0.36 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.)	55.90 / 123.20
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).



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

F.V/Time	30MIN	60MIN	90MIN	2HR	2.5HR	3HR	5HR	6HR	8HR	10HR	20HR	24HR
1.67V	870	544	413	338	283	245	166	144	113	93.6	52.3	44.8
1.75V	749	497	391	325	275	240	163	142	111	92.3	51.6	44.2
1.80V	644	452	368	308	263	232	159	138	109	90.0	50.8	43.5

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

F.V/Time	30MIN	60MIN	90MIN	2HR	2.5HR	3HR	5HR	6HR	8HR	10HR	20HR	24HR
1.67V	1522	981	742	609	535	461	312	271	217	183	103	87.8
1.75V	1377	904	699	583	517	451	306	266	214	180	101	86.9
1.80V	1233	826	653	553	494	435	297	259	209	177	100	85.6

