MSJ Series

MSJ-150 Datasheet

2V VRLA-AGM

Specifications	
Voltage (Vdc)	2
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	156.80
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	162.20
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	152.80
Max Charge Current (A)	45.00
Max Discharge Current (A)	900 (5sec)
Short Circuit Current (A)	2848
Internal Resistance	Approx. 0.54 mΩ
Terminal Type	I4 thread copper alloy terminal to accept M8 bolt
Terminal Torque	126±25 Kgf·cm / 109±22 Lbf·in / 12.3±2.5 N·m
Container Material	Flame Retardant ABS (UL 94-V0)
Weight (kg. / lb., Approx.)	12.80 / 28.81
Depth (D) (mm / in)	170.0±2.0 / 6.69±0.08
Width (W) (mm / in)	106.0±1.5 / 4.17±0.06
Height (H) (mm / in)	339.0±2.5 / 13.15±0.10
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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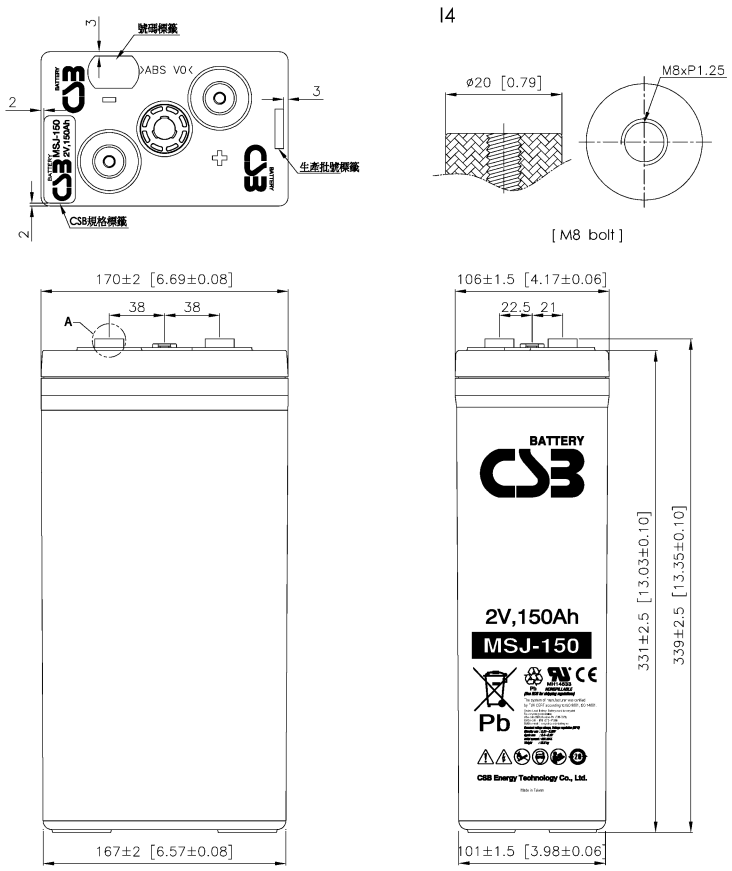
Constant Current Discharge Characteristics Per Battery: Amperes (25°C, 77°F)												
F.V/Time	**15MIN**	**30MIN**	**60MIN**	**2HR**	**2.5HR**	**3HR**	**5HR**	**6HR**	**8HR**	**10HR**	**20HR**	**24HR**
1.67V	256	182	114	66.4	55.4	47.7	30.1	25.5	19.9	16.5	8.26	6.88
1.75V	217	160	107	64.4	53.8	46.5	29.4	24.9	19.6	16.2	8.11	6.76
1.80V	185	142	98.4	61.6	51.7	44.9	28.5	24.3	19.1	15.8	7.90	6.58

Constant Power Discharge Characteristics Per Battery: Watts (25°C, 77°F)												
F.V/Time	**15MIN**	**30MIN**	**60MIN**	**2HR**	**2.5HR**	**3HR**	**5HR**	**6HR**	**8HR**	**10HR**	**20HR**	**24HR**
1.67V	466	334	209	127	106	91.2	59.9	51.4	39.3	30.8	15.4	12.8
1.75V	409	305	198	124	103	89.2	58.9	50.5	38.5	30.2	15.1	12.6
1.80V	367	275	185	119	100	86.4	57.4	49.3	37.4	29.3	14.7	12.2

Detail A Drawing(3:1)



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