



# MSJ Series

## MSJ-260 Datasheet

2V VRLA-AGM

### Specifications

Voltage (Vdc)	2
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	253.60
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	262.00
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	246.40
Max Charge Current (A)	78.00
Max Discharge Current (A)	1560 (5sec)
Short Circuit Current (A)	4872
Internal Resistance	Approx. 0.36 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.)	18.70 / 41.21
Depth (D) (mm / in)	170.0±2.0 / 6.69±0.08
Width (W) (mm / in)	131.0±1.5 / 5.16±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





# MSJ Series

## MSJ-260 Datasheet

2V VRLA-AGM

### 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	415	295	185	107	89.6	77.2	48.7	41.2	32.3	26.7	13.4	11.1
1.75V	351	259	173	104	87.1	75.3	47.6	40.4	31.7	26.2	13.1	10.9
1.80V	300	230	159	100	83.7	72.6	46.1	39.2	30.8	26.0	13.0	10.8

### 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	754	541	339	206	171	148	97.0	83.1	63.6	49.8	24.9	20.7
1.75V	662	493	320	200	167	144	95.3	81.8	62.3	48.9	24.4	20.4
1.80V	594	445	299	192	161	140	92.9	79.8	60.5	47.5	23.7	19.8

Detail A Drawing(3:1)

