

MP-122000-GS

Features:

- >> Thick plates and high-density active material
- >> High power density
- >> Longer life in deep cycle applications
- >> Excellent recovery from deep discharge
- >> Extremely low self-discharge rate
- >> Wide suitability of ambient temperature -20°C~55°C



Application

- >> UPS power supply
- >> Telecom Equipment
- >> Power Station
- >> Solar system
- >> Wind system

LEAVE POWER FOR MEDAL POWER

PHYSICAL SPECIFICATIONS		
Nominal Voltage		
	12V	
Nominal Capacity (10HR)		
	200AH	
Dimensions	Length	523±3mm
	Width	239±3mm
	Container height	218±3mm
	Total Height (with terminal)	222±3mm
Weight±3%		约 60.0Kg(132.3lbs)
Internal Resistance(In full charge status)		≈3.0mΩ
Standard Terminals		T41(standard)

Constant – Voltage Charge	
Cycle application	<ol style="list-style-type: none"> Limit initial current less than 40A. Charge until battery voltage (under charge) reaches 14.1V to 14.4V at 25°C (77F). Hold at 14.1V to 14.4V until current drop to under 1.2A for at least 3 hours. Temperature compensation coefficient of charging voltage is -30mV/°C.
Standby service	<ol style="list-style-type: none"> Hold battery across constant voltage source of 13.6 to 13.8 volts with current limit 40A continuously .When held at this voltage , the battery will seek its own current level and maintain itself in a fully charge status. Temperature compensation coefficient of charging voltage is -18mV/°C
NOTE : The battery should be charged within 9 months of storage ,Otherwise , permanent loss of capacity might occur as a result of sulfation	

ELECTRICAL SPECIFICATIONS		
Rated Capacity	20 hour rate(10A)	210AH
	10 hour rate(20A)	200AH
	5 hour rate(34A)	170AH
	3 hour rate(50A)	150AH
	1 hour rate (110A)	110AH
Capacity affected by Temperature (10Hour Rate)	40°C(104°F)	103%
	25°C(77°F)	100%
	0°C(32°F)	86%

Technical Specifications

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Constant Current Discharge Data Sheet (Amperes at 25°C)

End Voltage	Minute (M)					Hour (H)							
	5	10	15	30	45	1	1.5	2	3	5	8	10	20
10.20	630	480	362	192	178	125	98.6	82.6	51.8	36.0	25.58	20.9	10.70
10.50	560	440	338	184	170	120	94.8	79.6	50.1	34.3	24.18	20.6	10.63
10.80	520	400	316	178	162	115	90.9	76.5	48.3	32.8	22.98	20.0	10.50

Constant Power Discharge Data Sheet (Watt at 25°C)

End Voltage	Minute (M)					Hour (H)							
	5	10	15	30	45	1	1.5	2	3	5	8	10	20
10.20	6260	5300	3815	2396	1800	1564	1141	858	640	413	306	260	136
10.50	6020	4500	3424	2341	1760	1540	1123	830	619	400	302	252	132
10.80	5600	4200	3268	2290	1700	1470	1072	802	598	386	298	240	129

