

MP-121500-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)	150AH	
Dimensions	Length	485±3mm
	Width	170±2mm
	Container height	240±3mm
	Total Height (with terminal)	240±3mm
Weight±3%	Approx 44.0Kg(97.0lbs)	
Internal Resistance(In full charge status)	≈3.50mΩ	
Standard Terminals	T23 (standard)	

Constant – Voltage Charge	
Cycle application	<ol style="list-style-type: none"> Limit initial current less than 30A. Charge until battery voltage (under charge) reaches 14.1V to 14.4V at 25°C (77°F). Hold at 14.1V to 14.4V until current drop to under 0.9A 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 30A 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(7.5A)	153.5AH
	10 hour rate(15.0A)	150.0AH
	5 hour rate(25.5A)	127.5AH
	3 hour rate(37.5A)	113.0AH
	1 hour rate (82.5A)	83.0AH
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	471	359	270.5	143.7	132.7	93.41	73.75	61.78	38.72	26.90	19.13	15.85	8.01
10.50	418	329	252.5	137.7	126.7	89.72	70.86	59.58	37.43	25.68	18.09	15.55	7.93
10.80	388	299	236.5	132.7	120.8	85.93	67.96	57.19	36.13	24.57	17.20	15.10	7.83

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	4686	3967	2855	1793	1347	1171	853	643	479	309	230	195	102
10.50	4506	3368	2563	1753	1317	1153	840	622	464	299	227	189	102
10.80	4192	3144	2447	1715	1272	1101	802	601	448	288	224	180	98.8
													96.6

