

MPS-120-6.4 Product Data Sheet

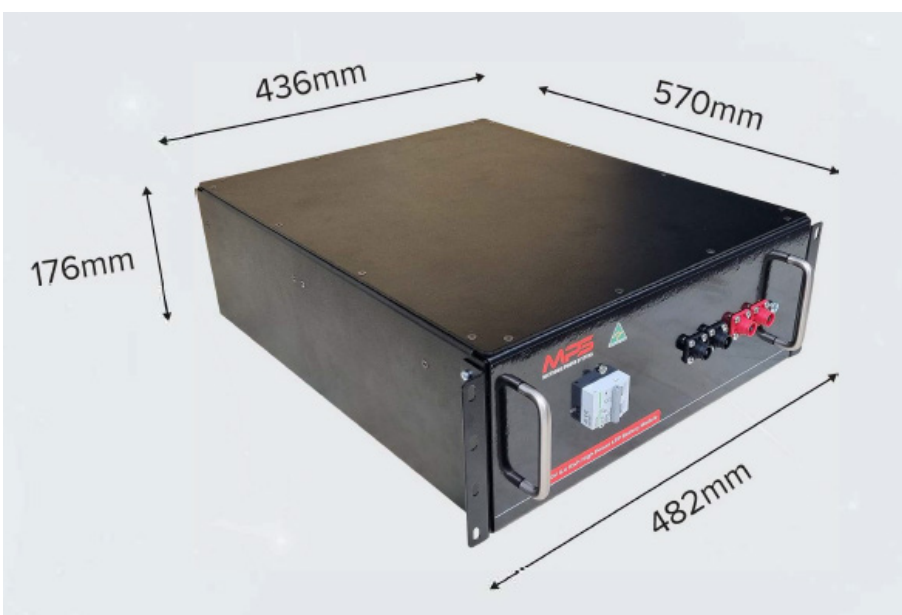
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Issued By: R&J Batteries PTY LTD



MODEL NUMBER	MPS-120-6.4
Nominal Voltage	128V
Nominal Capacity	50Ah
Nominal Capacity watt hours	6.4Kwh
Cell type	Pouch
Cell configuration	1P 40S
Cycle Life 100% DOD@ 25 degrees C	≥ 2,500 Cycles
Cycle Life 75% DOD@ 25 degrees C	≥ 5,500 Cycles
Cycle Life 50% DOD @ 25 degrees C	≥ 10,000 Cycles
Cycle Life 100% DOD@ 45 degrees C	≥ 1,200 Cycles
Capacity @ 0°C	42.5Ah
Capacity @ 55°C	47Ah
Series connection	Not permitted
Parallel connection	Unlimited - contact Mictronix
Recommended depth of discharge	90%
Usable capacity	5.76 Kwh
Battery Charging Temperature range. Protected via internal BMS	0 - 60°C
Normal Charge Voltage CV/CC*	140.00V
Standby (Float) Voltage	140.00V
Maximum Charge Current	25A @ 25°C limited by circuit breaker
Recommended Charge Current for Maximum Life	≤ 16A
Battery Discharge Temperature range. Protected via internal BMS	-10 - 60°C
Battery	
Output Voltage Range	110V - 143V
Maximum Discharge Current	25A @ 25°C for 30 mins
Continuous Discharge Current	16A @ 25°C
Pulse Discharge Current	32A @ 25°C for 30 sec
Maximum Discharge Power	3.2Kw @ 25°C for 30 mins
Continuous Discharge Power	2.05Kw @ 25°C
Pulse Discharge Power	4.1Kw @ 25°C for 30 sec

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Discharge Over Current	60A for 0.14s
Short circuit protection	255A for 300us
Over Current Release Method	Disconnect Load
Battery Discharge Over Temperature	Protection to 60°C ± 5°C Release at 50°C ± 5°C
Battery Charge Over Temperature	Protection to 60°C ± 5°C Release at 50°C ± 5°C
Internal string fuse rating	32A
Internal string fuse type	10 x 38 ceramic clip in
Internal string fuse interrupt rating	100 KA
Electrical connection type	5.7mm quick connector (120A rated)
Cooling method	Natural convection
Casing material	Aluminum
Mounting arrangement	Mounting in any orientation permitted
IP rating	IP40
Maximum altitude	2000M
Humidity Range non condensing	≤ 80%RH
Self-discharge Rate	≤ 3% Per Month
Warranty period	Refer to Mictronix warranty statement
Certifications (cell level)	GB/UN38.3 IEC62619



Weight & Dimensions	
Depth	570mm
Width	436mm
Width with ears	482mm
Height	176mm(4RU)
Weight	47Kg
Mounting Width	19-inch rack mount compatible