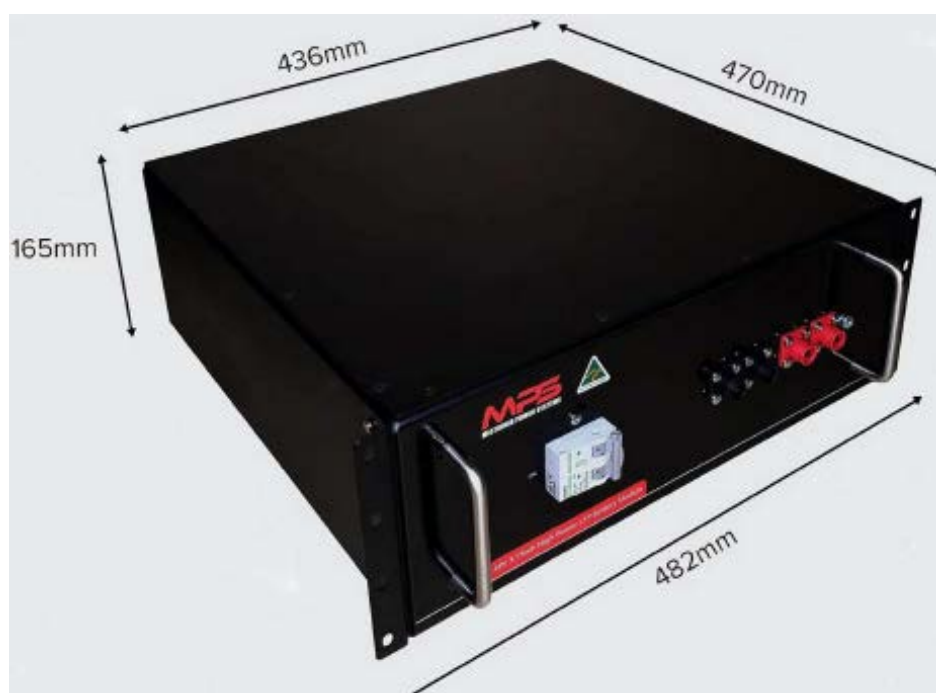


MODEL NUMBER	MPS-48-5.1
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Nominal Capacity watt hours	5.1Kwh
Cell type	Prismatic
Cell configuration	1P 16S
Cycle Life 100% DOD@ 25 degrees C	≥ 4,000 Cycles
Cycle Life 75% DOD@ 25 degrees C	≥ 5,500 Cycles
Cycle Life 50% DOD @ 25 degrees C	≥ 10,000 Cycles
Cycle Life 100% DOD@ 45 degrees C	≥ 1,800 Cycles
Capacity @ 0°C	85Ah
Capacity @ 55°C	95Ah
Series connection	Not permitted
Parallel connection	Unlimited - contact Mictronix
Recommended depth of discharge	90%
Usable capacity	4.608 Kwh
Battery Charging Temperature range. Protected via internal BMS	0 - 55°C
Normal Charge Voltage CV/CC*	56.00V
Standby (Float) Voltage	55.90V
Maximum Charge Current	63A @ 25°C limited by circuit breaker
Recommended Charge Current for Maximum Life	≤ 33A
Battery Discharge Temperature range. Protected via internal BMS	-10 - 60°C
Battery	
Output Voltage Range	44V - 56V
Maximum Discharge Current	63A @ 25°C for 30 mins
Continuous Discharge Current	50A @ 25°C
Pulse Discharge Current	80A @ 25°C for 30 sec
Maximum Discharge Power	3.2Kw @ 25°C for 30 mins
Continuous Discharge Power	2.5Kw @ 25°C
Pulse Discharge Power	4Kw @ 25°C for 30 sec

MODEL NUMBER	MPS-48-5.1
Discharge Over Current	80A for 1s
Short circuit protection	250A for 960us
Over Current Release Method	Disconnect Load
Battery Discharge Over Temperature	Protection to 65°C ± 5°C Release at 50°C ± 5°C
Battery Charge Over Temperature	Protection to 55°C ± 5°C Release at 45°C ± 5°C
Electrical connection type	5.7mm quick connector (120A rated)
Cooling method	Natural convection
Casing material	Aluminum
Mounting arrangement	Horizontal mounting. Vertical mounting with permission
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	470mm
Width	436mm
Width with ears	482mm
Height	165mm (4RU)
Weight	44Kg
Mounting Width	19-inch rack mount compatible