

CERTIFIED
UL1973
IEC62619, CE
UN38.3, MSDS



As the leading vertically integrated manufacturer of lithium iron phosphate battery systems, **Y and R Solar (pty) Ltd** has provided various battery solutions for nearly all kinds of ESS applications. Thanks to our self-developed core technology in cells/BMS/system design, **Y and R Solar (pty) Ltd** has delivered more than 138+ countries serving 100,000+ users.

www.solarwaysuppliers.co.za

✓ Long life and safety

Vertical industry integration ensures more than 6500 cycles with 80% DoD.
Safe Lithium iron phosphate battery cell.

✓ Intelligent

Each battery with independent BMS system manages power output smartly and effectively.

✓ Modularization

Modular design gives the end customers the power of choice of capacity Deliver up to 163KW with single max module (10.24KWh) at 16pcs parallel connection.

✓ Easy to install and use

Just plug and play to minimize the installation time and cost.
Compact and fashionable design fits in your sweet home environment.

✓ Compatibility

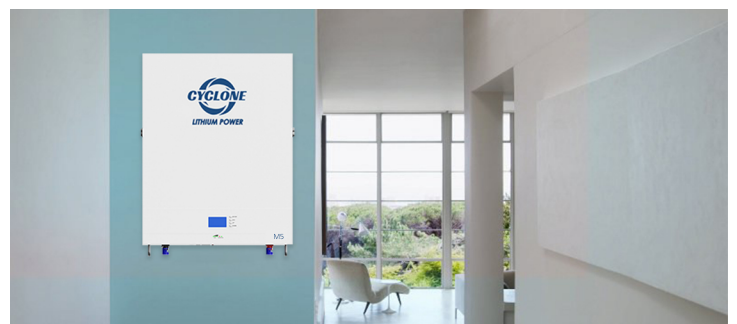
Compatible with most of the available Hybrid inverters.

✓ Safety Cert

UL1973, IEC62619, CE, UN38.3, MSDS.

Battery Specifications

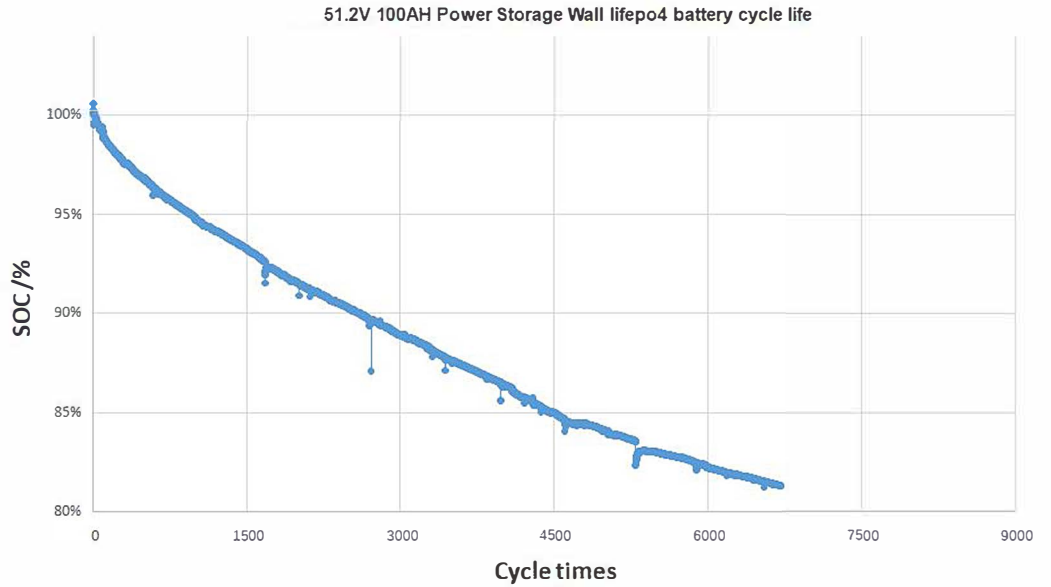
Model No	M5
Nominal Parameters	
Voltage	51.2V
Capacity	100Ah
Energy	5.12KwH
Dimensions (L x W x H)	720 x550 x200mm
Weight	60.5kg
Basic Parameters	
Life time(25°C)	15 years
Life cycles(80% DOD, 25°C)	6500Cycles
Storage time / temperature	5 months @ 25°C; 3 months @ 35°C; 1 month @ 45°C
Operation temperature	-20°C to 60°C @60+/-25% Relative Humidity
Storage temperature	0°C to 45°C @60+/-25% Relative Humidity
Lithium Battery Standard	UL1642,IEC62619,UN38.3,ROHS,CE-EMC
Enclosure protection rating	IP50
Electrical Parameters	
Operation voltage	46-56 Vdc
Max.charging voltage	56 Vdc
Max.charging and discharging current	100A
Max Power	5120W





LITHIUM POWER

LiFePO4 battery with 6500+ cycles



Match Hybrid Inverters



DEYE



SCHEIDER



SUN SYNK



GOODWE



VICTRON ENERGY



LUX POWER



GROWATT



SOLIS/GINLONG

