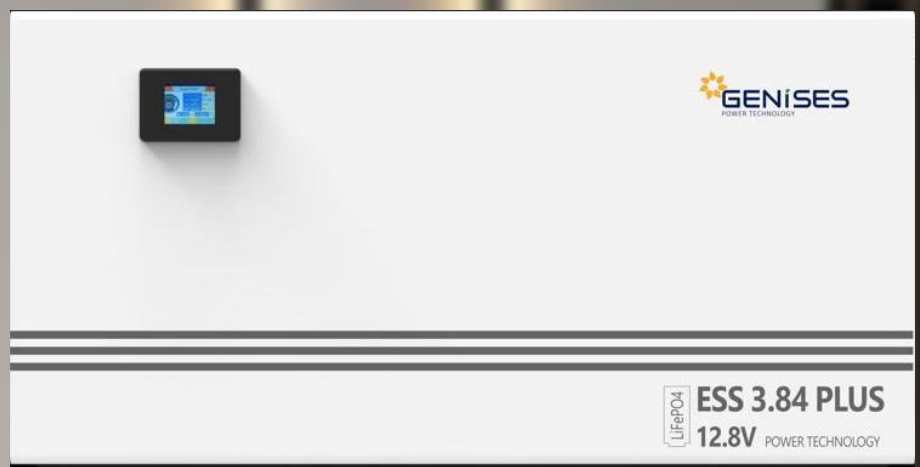


# Wall Mounted Lithium Battery

## Smart Energy Storage

MHY-12-300W



- LiFePO4 Battery achieves safety performance and long cycle life
- New Cell (EVE Grade A)
- Built-in Intelligent BMS to protect the battery module and always work at the best condition
- Support RS485 Communication
- More than 6000 cycles
- LCD color touch screen
- Silent Natural Cooling
- Easy installation and simply connection to inverter

Model	MHY-12-300W
<b>Main Parameter</b>	
<b>Battery Chemistry</b>	<b>LiFePO4</b>
<b>Nominal Voltage (VDC)</b>	<b>12.8 V</b>
<b>Nominal Capacity (Ah)</b>	<b>300 A</b>
<b>Nominal Energy (KWh)</b>	<b>3.84 KWh</b>
Cycle Life	≥6000 cycles @80%DOD @25°C
Cell numbers	4S
Battery Management System (BMS)	<ul style="list-style-type: none"> <li>• Smart 200A BMS</li> <li>• automatic protection for over-charge, over discharge, over current and over temperature</li> <li>• Support cell balancing</li> <li>• LCD Touch Display for watching each cell parameters &amp; battery cycles</li> </ul>
Efficiency	Charge: 100% @ 0.2v Discharge: 96~99% @ 1C
Working Voltage Range	11.2~14.6 V
Max. Charge Current	200A
Max. Discharge Current	200A
Standard Charge Current (Recommended)	60A
Standard Discharge Current (Recommended)	60A
Max. Charge /Bulk/ (VDC)	14.6 V ±0.1V
Float Charging (VDC)	13.8 V
Cut-off Voltage (VDC)	11.2 V
Max C rating	1C
Nominal Operation Altitude	0-4000m
Max Depth of Discharge	100%
Recommend Depth of Discharge	80%
Protection	BMS, Breaker 200A
Max Qty link	Four in series or four in parallel
Working Temperature (°C)	-0°C to 55°C @25~60%Humidity for charge -20°C to 55°C @25~60%Humidity for discharge
Storage Temperature (°C)	0°C to 45°C @25~60%Humidity
Self-Discharge (Month)	≤2%
IP Protection	IP43
Communication	RS485
Installation Method	Wall Mount
Net Weight	43.1
Gross Weight	70.5
Terminals	M8
Product Dimensions (W/D/H) mm	910*464*144
Packaging Dimensions (W/D/H) mm	1010*570*340
Packaging Material	Carton/Wooden box
Shelf Life (Expected)	15 Years
Warranty	3 Years
Certification & Standards	CEC/UN38.3/MSDS/IEC62619/VDE2510-50/CE/EMC