



## Stacked Energy Storage Systems

Model	M48120P-LWD(50/60Hz)
Power	12KW

## Functional Description

- Stacked design, free combination, more convenient and beautiful.
- Output adopts industrial frequency inverter, for high-power inductive load. Strong load-carrying capacity, stable and reliable.
- Power flexible expansion, can increase power at any time according to demand.
- Industrial U design, interface display is more intuitive, stable and convenient.
- High performance intelligent BMS protection.
- Support management upgrading and customization of user's special needs.
- Adopt big brand A-grade battery core, safe and reliable quality.





Model	M48120P-LWD (50/60Hz )	settable
<b>inverter output</b>		
Rated output power	12000W	
Max. peak power	25000W	
Rated output voltage	Single-Phase L+N+PE 230Vac	
Carrying motor capacity	10HP	
rated power	50/60HZ	
Output Waveform	pure sine wave	
switching time	10ms(typical value )	
Number of parallel machines	not support	
<b>Battery</b>		
Battery type	lead-acid battery/ LifePo4	
Rated Battery Voltage	51.2V	
Voltage range	41.6-58.4V	
Individual Battery Pack Capacity	5120Wh	
Charging Current	0.2C	
Max. Charging Current	1C	
<b>Photovoltaic input</b>		
Number of MPPT paths	1	
Maximum Input Power	10000W	
Maximum Input Current	36	
Maximum Open Circuit Voltage	500Vdc	
MPPT working Voltage range	120-450Vdc	
<b>Mains/generator input</b>		
Input Voltage range	UPS: 170-280Vac; APL: 90-280Vac	
Input frequency range	50/60HZ	
Bypass overload current	40A	
<b>Efficiency</b>		
MPPT Tracking Efficiency	99.9%	
Battery inverter efficiency	> 96.8%	
<b>Basic parameters</b>		
Size	555*440*915mm	
Protection level	IP21	
environmental temperature	-25-55°C, > 45°C run at a reduced rate	
Humidity range	10%-100%	
Cooling method	Built-in fan	
Warranty Time	2 years	
<b>communication</b>		
built-in interface	RS485/CAN/USB/dry contact	Y