

MPHi-6KW#48VPVSE**Features:****Excellent Performance**

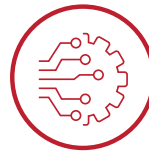
- 200% PV oversizing, 9kW Max. PV usable power
- Max. PV input current 36A
- Max. battery charge/discharge current of 140A
- Max. AC input power 11.5kW

**High Flexibility**

- Support 40-60V Lithium or Lead-acid battery
- Independent generator port
- Up to 12 pcs in parallel, 3-phase parallel system

**Safety & Reliability**

- IP54 Design
- 4 year Warranty
- Multiple built-in protections

**Intelligent Maintenance**

- USB OTG function
- Dual output with smart load
- Built-in Wi-Fi and bluetooth for local and remote monitoring



LEAVE POWER FOR MEDAL POWER

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Technical Specifications

MPHi-6KW#48VPVSE		
Efficiency		
Efficiency (PV to AC)	95%	
Efficiency (BAT to AC)	93%	
PV Input		
Max. PV Usable Power	9,000W	
Max. PV Voltage	500V	
MPPT Voltage Range	60V-450V	
Star-up Voltage	60V	
Nos. of MPPT	1	
String Per MPPT	1	
Max. Input Current Per MPPT	36A	
Max. Short Circuit Current Per MPPT	45A	
Battery		
Battery Type	Lead-acid/Li-ion	
Rated Battery Voltage	48V	
Battery Voltage Range	40-60V	
Max. Solar Charging Current	140A	
Max. AC Charging Current	140A	
Max. Charging/Discharging Current	140A/140A	
AC Input		
Max. Input Power	11,500W	
Max. AC Input Current	50A	
Rated Grid Voltage	220V/230V/240V	
Input Voltage Range	170V-280V (For UPS)/90V-280V (For Home Appliances)	
Rated Grid Frequency	50Hz/60Hz	
AC Output		
Rated Output Power	6,000W/6,000VA	
Rate Output Voltage	220V/230V/240V	
Rated Output Current	27.3A/26A/25A	
Rate Output Frequency	50Hz/60Hz	
Max. Continuous AC Passthrough (grid to load)	40A	
Overload Capacitor	105%-150% after 10.5s shutdown / 150%-200% after 5.5s shutdown	
Surge Power	12000VA 5s	
THDv (@linear load)	< 3%	
Parallel Capacity	12 PCS	
Switch Time	10ms Typical (For UPS)/20ms Typical (For Home Appliances)/50ms Typical (For Parallel Operation)	
Protection		
Ingress Protection	IP54	
Over Voltage Protection	Yes	
Overload Protection	Yes	
Short Circuit Protection	Yes	
Over Temperature Protection	Yes	
Surge Protection	DC: Type III, AC: Type III	
General		
Communication	USB (OTG), RJ45 (for BMS,CAN/RS485), RJ45 (for Parallel), Dry-Contact, WI-FI/LAN (Optional)	
Operation Temperature Range	-10 ~ +55°C	
Humidity	5%-95%	
Max. Operating Altitude	4000m, >2000m derating	
Cooling Method	Intelligent fan cooling	
Display	LED+LCD	
Mounting	Wall-mounted	
Dimensions (W*H*D)	345mm*445mm*120mm	
Weight	10.8Kg	
Certification	EN/IEC62109-1, EN/IEC62109-2, EN/IEC 61000	
Warranty	4 Years	

Remarks: · The range of output voltage and frequency may vary depending on different grid codes.
· Specifications are subject to change without advanced notice.