

Off Grid Solar Inverter/Charger

MLW-D- Series



FEATURES

- Independent MPPT control microprocessor system
- Advanced SPWM technology, high-speed power MOS
- Operating mode selectable: PV priority or utility power priority
- AC input with effective online synchronous stabilization technology
- Pure sine wave output, Automatic frequency selection
- Output isolated transformer, safe and stable
- Mains/diesel generator input interface (optional)
- Excellent overload capacity
- Intelligent battery management function

SPECIFICATION

MODEL-MLW-D	3KW	4KW	5KW	6KW	8KW	10KW
System Voltage	48VDC				96VDC	
SOLAR CHARGER						
Maximum PV Input	3KWP	4KWP	5KWP	6KWP	8KWP	10KWP
MPPT Voltage Range	45Vdc~180Vdc				96Vdc~200Vdc	
Max Charge Current	60A	80A	120A	125A	100A	120A
INVERTER OUTPUT						
Rated Power	3000W	4000W	5000W	6000W	8000W	10000W
Surge Power	6KVA	8KVA	10KVA	12KVA	16KVA	20KVA
Waveform	Pure sine wave					
AC Voltage	110V/120V/220V/230V/240VAC±5%					
Efficiency (Peak)	90%~93%					
Transfer Time	10ms (For Personal Computers) / 20ms (For Home Appliance)					
AC INPUT						
Voltage	110V/120V/220V/230V/240VAC±5%					
Frequency	50Hz/60Hz (Auto sensing)					
BATTERY						
Normal voltage	48VDC				96VDC	
Floating Charge Voltage	54.8VDC				110VDC	
Overcharge Protection	60VDC				120VDC	
MECHANICAL SPECIFICATION						
Net Dimensions (L*W*H)	300*460*600(mm)				330*625*500(mm)	
Pack Dimensions (L*W*H)	360*550*680(mm)				350*700*560(mm)	
Net Weight(kg)	22	28	36	48	82	95
Gross Weight(kg)	24	35	45	52	98	110
OTHER						
Humidity	5% to 95% Relative Humidity (Non-condensing)					
Operating Temperature	-10°C -55°C					
Storage Temperature	-15°C -60°C					