

Off Grid Solar Inverter/Charger

MLW-B 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-B	1KW	2KW	3KW	4KW	5KW	6KW
System Voltage	24VDC		48VDC			
SOLAR CHARGER						
Maximum PV Input	1KWP	2KWP	3KWP	4KWP	5KWP	6KWP
MPPT Voltage Range	45Vdc~180Vdc					
Max Charge Current	60A	60A	60A	80A	120A	125A
INVERTER OUTPUT						
Rated Power	1000W	2000W	3000W	4000W	5000W	6000W
Surge Power	2KVA	4KVA	6KVA	8KVA	10KVA	12KVA
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	24VDC		48VDC			
Floating Charge Voltage	27.4VDC		54.8VDC			
Overcharge Protection	30VDC		60VDC			
MECHANICAL SPECIFICATION						
Net Dimensions (L*W*H)	290*125*430(mm)		280*460*600(mm)			
Pack Dimensions (L*W*H)	365*205*473(mm)		360*550*680(mm)			
Net Weight(kg)	8	14	22	28	36	48
Gross Weight(kg)	9	16	24	35	45	52
OTHER						
Humidity	5% to 95% Relative Humidity (Non-condensing)					
Operating Temperature	-10°C -55°C					
Storage Temperature	-15°C -60°C					