

Off Grid Solar Inverter/Charger

MLW-S Series



FEATURES

- Max. efficiency up to 95%
- Isolated output transformer, durable load impact
- Pure sine wave output, suitable for all sorts of electrical appliances
- Excellent overload capacity
- Complete protections e.g. Input and output over voltage, over temperature protection, overload protection, short circuit protection, etc.
- LCD display + LED status indicator
- Smart fan speed control and trouble shooting function
- RS485, dry contact communication to realize remote monitoring
- City power / diesel generator input (optional)

SPECIFICATION

Model MLW-S	10KW	15KW	20KW	30KW	40KW	50KW
System Voltage	96VDC	192VDC			384VDC	
SOLAR CHARGER						
Maximum PV Input	10KWP	15KWP	20KWP	30KWP	40KWP	50KWP
Rated Current (A)	100A	100A	100A	100A	120A	140A
AC Input						
AC Input Voltage (Vac)	110/120/220/230/240±20% Single Phase					
AC Input Frequency (Hz)	50/60±1%					
Output						
Rated Power (kW)	10KW	15KW	20KW	30KW	40KW	50KW
Voltage (V)	110/120/220/230/240±20% Single Phase					
Frequency (Hz)	50/60±1%					
Voltage Total Harmonic	THDU<3% (Full load, linear load)					
Distortion	THDU<5% (Full load, nonlinear load)					
Output Voltage Regulation	<5% (Load 0~100%)					
Power Factor	0.8					
Overload Capacity	105~110%, 101mins; 110~125%, 1mins; 150%, 10S					
Crest Factor	3					
General Data						
Max. Efficiency	>95.0%					
Operating Temperature(°C)	-20~50 (>50°C derating)					
Relative Humidity	0~95% (non-condensing)					
Ingress Protection	IP20					
Max. Operating Altitude (m)	6000 (>3000m derating)					
Display	LCD+LED					
Cooling method	Smart forced air cooling					
Protection	AC&DC over/under voltage, AC overload, AC short circuit, over temperature, etc					
EMC	EN 61000-4, EN55022(Class B),					
Safety	IEC60950					
Dimension (D*W*H mm)	350*700*950			555*750*1200		
Weight (kg)	75	82	103	181	205	230