

ISolar SML II 3.2K / 5KW MPPT Solar Inverter



- High efficiency pure sine wave inverter(PF=1);
- Wide PV input range(120Vdc--500Vdc80A MPPT SCC; intelligent 3 stage 60A/80A AC charger.
- Surges to 2X continuous power for 5 seconds for motor loads.
- Intelligent functionality enables utility and solar input prioritization.
- Wide utility input range (90Vac--280Vac) for unreliable grid even
- In the most challenging environments.
- Field serviceable with replacement boards and spare parts.
- Monitor, troubleshoot, or communication with USB/RS232.
- System configures quickly into compact, wall-mounted system.
- Working without batteries in sun day.

230Vac MPPT Solar Inverter Specification

MODEL	ISolar SML II 3.2KW	ISolar SML II 5KW
Rated Power	3200VA/3200W	5000VA/5000W
INPUT		
Voltage	230VAC	
Selectable Voltage Range	170-280VAC(For Personal Computers) ; 90-280VAC(For home Appliances)	
Frequency Range	50Hz / 60 Hz(Auto sensing)	
OUTPUT		
AC Voltage Regulationv (Batt. Mode)	230 VAC ± 5%	
Surge Power	6000VA	10000VA
Efficiency (Peak) PV to INV.	97%	
Efficiency (Peak) Battery to INV.	94%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY & AC CHARGER		
Battery Voltage	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	33VDC	63VDC
Maximum Charge Current	80A	60A
SOLAR CHARGER		
Maximum PV Array Power	4000W	
MPPT Range @ Operating Voltage	120~450VDC	
Maximum PV Array Operating Voltage	500VDC	
Maximum Charge Current	500VDC	
Maximum Efficiency	98%	
PHYSICAL		
Dimension, D × W × H(mm)	100 × 300 × 440	
Net Weight (kgs)	9	10
Communication interface	USB/RS232	
Monitoring	WIFI/GRPS(optional)	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C - 55°C	
Storage Temperature	-15°C - 60°C	