

EnerSolar V On-Grid Inverter



- Advanced DSP control technology delivers accurate data
- Built-in smart MPPTs to enhance overall efficiency
- Up to 96% high conversion efficiency
- Modulized design for easy maintenance
- Data log up to 15 years
- Optional monitoring software

EnerSolar V On-Grid Inverter Selection Guide

MODEL	EnerSolar V 3KW	EnerSolar V 5KW
PHASE	1-phase out	
INPUT(DC)		
Max. DC Power	3150W	5300W
Maximum DC Voltage	500 VDC	
MPP Voltage Range	250 VDC ~ 450 VDC	
Nominal DC Voltage	360 VDC	
Start-up Voltage / Initial Feeding Voltage	125VDC / 160VDC	
Maximum Input Current	1 x 13A	1 x 18A
Number of MPP Trackers / Strings per MPP Tracker	1 / A:1	
OUTPUT(AC)		
AC Nominal Power	3000 W	5000 W
Maximum AC Apparent Power	3000 VA	5000 VA
Nominal AC Voltage	230 VAC	
AC Voltage Range	184-264 VAC*	
AC Grid Frequency	50 Hz / 60 Hz	
Nominal Output Current	13 A	21.7 A
Output current THDI%	<5%	
Power Factor @ Rated Power	> 0.99	
EFFICIENCY		
Maximum Efficiency	96%	
European Efficiency @ Nominal Voltage & 100% Load	95%	
PROTECTION		
DC Reverse-Polarity Protection	Yes	
Ground Fault Monitoring	Yes	
Grid Monitoring	Yes	
AC Short Circuit Protection	Yes	
Over Current Protection	30 A	50 A
PHYSICAL		
Dimension,DxWxH(mm)	480 x 285 x 125	
Net Weight (kgs)	9.5	9.8
Type of Mechanical Protection	IP 20	
INTERFACE		
Communication Port	RS-232/USB	
Intelligent Slot	Optional SNMP, Modbus available	
ENVIRONMENT		
Humidity	0 ~ 90% RH (Non-condensing)	
Operating Temperature	0°C to 40°C	
Altitude	0 ~ 1000 m**	
COMPLIANCE		
Standard	IEC62109, EMC	

* The AC Voltage Range may vary depending on different country grid standard
 ** Power derating 1% every 100 m when altitude is over 1000m
 Product specifications are subject to change without further notice

