

# EnerSolar On-Grid PV Inverter



- 1.5KW/2KW/3KW/5KW on-grid PV inverter
- Advanced DSP control technology delivers accurate data
- Smart independent MPPTs to enhance overall efficiency
- Up to 96% high conversion efficiency
- Modulized design for easy maintenance
- Industrial-grade components used for robust operation
- Data log up to 15 years
- IP 65 protection for outdoor and harsh environment
- 5-year product warranty
- Free monitoring software

## EnerSolar PV Inverter Selection Guide

MODEL	EnerSolar 1.5KW	EnerSolar 2KW	EnerSolar 3KW	EnerSolar 5KW
<b>INPUT(DC)</b>				
Max. DC Power	1650 W	2200 W	3300 W	5000 W
Maximum DC Voltage	450 VDC	500 VDC	500 VDC	500 VDC
MPP Voltage Range	150 VDC ~ 400 VDC	200 VDC ~ 450 VDC	250 VAC ~ 500 VDC	180 VDC ~ 500 VDC
Nominal DC Voltage	360 VDC		370 VDC	
Start-up Voltage / Initial Feeding Voltage	120VDC / 150VDC		125VDC / 150VDC	
Maximum Input Current	1 x 11A		1 x 13A	2 x 15A
Number of MPP Trackers / Strings per MPP Tracker	1 / A:1		1 / A:1	2 / A:1;B:1
<b>OUTPUT(AC)</b>				
AC Nominal Power	1500 W	2000 W	3000 W	4600 W
Maximum AC Apparent Power	1600 VA	2100 VA	3000 VA	4600 VA
Nominal AC Voltage	230 VAC			
AC Voltage Range	184-264 VAC*			
AC Grid Frequency	50 Hz / 60 Hz			
Nominal Output Current	6.6 A	8.7A	13 A	20 A
Power Factor @ Rated Power	> 0.99			
<b>EFFICIENCY</b>				
Maximum Efficiency	96%		97.0%	97.0%
European Efficiency @ Nominal Voltage & 100% Load	95%		96.0%	96.0%
<b>PROTECTION</b>				
DC Reverse-Polarity Protection	Yes			
Ground Fault Monitoring	Yes			
Grid Monitoring	Yes			
AC Short Circuit Protection	Yes			
Over Current Protection	30 A	30 A	30 A	50 A
<b>PHYSICAL</b>				
Dimension,DxWxH(mm)	136.5 x 268.5 x 410		160 x 270 x 450	182 x 308 x 515
Net Weight (kgs)	11.5	11.5	15.0	20.0
<b>INTERFACE</b>				
Intelligent Slot	USB & RS-232 card / Option: SNMP card and Modbus card			
<b>ENVIRONMENT</b>				
Humidity	0 ~ 100% RH (No condensing)			
Operating Temperature	-25°C to 60°C			
Altitude	0 ~ 1000 m**			
<b>COMPLIANCE</b>				
Standard	CE, VDE-AR-N 4105, VDE-0126-1-1, IEC62109			

\*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.

