

EnerSolar On-Grid Inverter



- Advanced DSP control technology delivers accurate data
- Built-in smart MPPTs to enhance overall efficiency
- Up to 96% high conversion efficiency
- Modularized 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
- Optional monitoring software

EnerSolar On-Grid Inverter Selection Guide

MODEL	EnerSolar 1.5KW	EnerSolar 2KW	EnerSolar 3KW	EnerSolar 5KW
INPUT(DC)				
Max. DC Power	1650 W	2200 W	3300 W	5000 W
Maximum DC Voltage	500 VDC			
MPP Voltage Range	125 VDC ~ 450 VDC	170 VDC ~ 450 VDC	250 VDC ~ 500 VDC	180 VDC ~ 500 VDC
Nominal DC Voltage	370 VDC			
Start-up Voltage / Initial Feeding Voltage	125VDC / 150VDC			
Maximum Input Current	1 x 13A			2 x 13A
Number of MPP Trackers / Strings per MPP Tracker	1 / A:1			2 / A:1;B:1
OUTPUT(AC)				
AC Nominal Power	1500 W	2000 W	3000 W	4600 W (only apply for VDE 4105) or 5000 W
Maximum AC Apparent Power	1500 VA	2000 VA	3000 VA	4600 VA (only apply for VDE 4105) or 5000 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			
EFFICIENCY				
Maximum Efficiency	96%		97.0%	97.0%
European Efficiency @ Nominal Voltage & 100% Load	95%		96.0%	96.0%
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)	160 x 270 x 450			182 x 308 x 515
Net Weight (kgs)	12.7			20.5
INTERFACE				
Intelligent Slot	USB & RS-232 card / Option: SNMP card and Modbus card			
ENVIRONMENT				
Humidity	0 ~ 100% RH (Non-condensing)			
Operating Temperature	-25°C to 60°C			
Altitude	0 ~ 1000 m**			
COMPLIANCE				
Standard	CE, VDE-AR-N 4105, IEC62109, VDE 0126-1-1			

*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.

