



EnerSolis Series Grid-connected Photovoltaic Inverter

The EnerSolis series grid-connected Photovoltaic Inverter is delivered in a waterproof IP65 enclosure which can be installed in either a grid connected solar tracker system or a stationary PV system. By taking care of an accurate power conversion from solar panel to local grid, the EnerSolis series effects conversion process with minimal power loss and maximum reliability. Equipped with the intelligence MPPT process, it will always find the best working point, even under dynamic weather conditions. In this way, it reliably converts solar energy into solar yield. The heat that is lost is, to a great degree, dissipated via the heat sink on the rear of the unit. No fans, no problems, just long service life.

- Compact Size & low weight
- User Friendly LCD Display
- Use High MTBF Component
- Convection Cooling (Fan-less)
- Intelligence DSP Controller
- Protection class IP65
- Wide MPPT range of 100 to 400 Vdc
- Intelligence MPPT Technology
- Anti-islanding Technology
- RS232 and RS485 communication
- De-rating function
- High MPPT tracker efficiency
- Easy installation

EnerSolis Series
Grid-connected Photovoltaic Inverter

MODEL		E5 2000
ITEM		
Inverter Technology	Conversion Mode	Sine-wave, Current source, High frequency PWM
	Isolation Method	Transformer-less Design
DC Input Data		
Nominal DC Voltage		365 Vdc
Max. DC Input Voltage		450 Vdc
Working Range		80 ~ 450 Vdc
Max. DC Input current		10.0 Amp
MPPT Range		100 ~ 400 Vdc
MPPT Tracker		1
AC Output Data		
Nominal AC Power		1800 Watt
Max. AC Power		2000 Watt
Nominal AC Voltage		230 Vac (L-N)
Output Connect Method		1-Phase / 2-Wire
AC Voltage Rang		184V ~ 264.5V (Base on 230 Vac)
Nominal AC Current		7.82 Amp
Frequency		50 /60Hz
Power Factor		> 0.99
Current Distortion		Total Harmonic current : Less than 3%
Efficiency Data		
Max. Efficiency		95.5%
Euro Efficiency		94.0%
Environmental		
Operating Temperature		-25 °C ~ +40 °C
Humidity		0 to 90% (Without condensation)
Altitude		0 ~ 2000 M
Mechanical		
Dimensions (H x W x D)		352 x 302 x 125 mm
Weight		9 kg
Protection Class		IP65, outdoor
Cooling		Convection
AC Connection		Terminal
DC Connection		Connector
Communication		
Communication Interface		RS232 & RS485
Front Panel		
LCD	Boost input Voltage, Boost input Current, Boost input Power, AC output Voltage, AC output frequency, AC output current, AC output power, AC Energy, yield, Inner Temperature, Heat sink Temperature, Status message, Error message	
LED	RED	On: Ground fault or DC Input Insulation fault
	Yellow	On: Unit Error or Alarm
	Green	Flash: Standby or Sleeping mode On: Normal Operation
Key Pad	UP key / Down key / Function key / Enter key	
Protection		