// *EnerSolis Grid-connedted Photovoltaic Inverter* / *ES2200- ES5000W*

- Two Built-in Independent MPPT Boosters increase overall efficiency
- Convectional Cooling System provided to guarantee quiet operation
- Compact Size, Light Weight
- Up to 96% high conversion efficiency
- Advanced DSP Control Technology delivers accurate data
- Ease of Installation to Save Time and Money
- Mimic LCD Display
- Higher MTBF Components Used

- IP65/Nema 3R Cabinets for both Indoor and Outdoor Applications
- VDE/ETL Certified to Ensure Safe Operation
- Optional Monitoring Software provided to offer operational status and electricity generated data
- De-rating function
- High MPPT tracker efficiency
- Easy installation
- Integrated DC switch

ES2200- ES5000W Specifications

Model		ES2200	ES3300	ES4200	ES5000
Inverter Technology	Conversion Mode	Sine-wave, Current source, High frequency PWM			
	Isolation Method	Transformer-less Design			
DC Input Data					
Nominal DC Voltage		360 VDC			
Max. DC input Voltage		500 VDC			
Working range		120VDC~500VDC*			
Max DC input current (Each MPPT Tracker)		14.6 Amp	22 Amp	14.6 Amp	18.3 Amp
MPPT Range		150 VDC ~ 450 VDC			
MPPT Tracker		1		2	
Efficiency Data					
Max. efficiency		>96%			
Euro efficiency		>94%			
CEC efficiency		>94%			
Environmental					
Operating Temperature		-25 °C ~ +50 °C-13 °F ~ 122 °F			
Humidity		0 to 90%(Without condensation)			
Altitude		0 ~ 2000 M / 0 ~ 6600 ft			
Communication					
Communication Interface	Standard	RS232			
	Optional	USB, RS485, Dry contact, TCP/IP			
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	Leakage current fault or DC input isolation fault			
	Yellow	Spec. of Utility is not matches with the Utility specifications of the inverter			
	Green	Solar Cell power is greater or smaller than sleep power			
Key Pad		UP key/ Down key/ Function key/ Enter key			
Protection					
Utility		Over/under Voltage, Over/under Frequency, Ground fault, DC Isolation fault			
Islanding operation detection		Passive : Voltage phase jump detection Active : Reactive power control			
Over Temperature		reduced output power			

*Specifications subject to change without notice.