



EnerSolis

ES 3000T / ES 4000T / ES 5000T / ES 5500T Single Phase Grid Connected Photovoltaic Inverter

- Transformer-less Topology
- Maximum Efficiency 97.2%
- Protection Class IP65
- Dual Independent MPPT Trackers
- Intelligent MPPT Technology
- Active and Passive Anti-islanding Technology
- Compact Design
- User Friendly LCD Display
- High MTBF Components
- Maximum Output Power Clamping
- Multi-Operation Mode
- Multi-Country Certification
- Fanless
- High Performance DSP Controller
- Built-in RS485 Communication Ports
- Firmware Upgradability
- Wide MPPT Voltage Range with Nominal Power
- Allowable De-rating Operation

Item	Model		ES 3000T	ES 4000T	ES 5000T	ES 5500T
DC Input Data	Nominal DC Voltage		370Vdc			
	Max. DC Input Voltage		500Vdc			
	Start-up Input Voltage		100Vdc			
	Max. DC Input current		20Amp x1	20Amp x2	20Amp x2	20Amp x2
	MPPT Voltage Range		120Vdc~450Vdc			
	MPPT		1	2		
	Module Capacity		1.2 time			
AC Output Data	Nominal AC Power		3kVA/3kW	4kVA/4kW	5kVA/5kW	5.5kVA/5.5kW
	Nominal AC Voltage		220Vac			
	Output Connect Method		1P2W(L,N,PE) / 1P3W(L1,L2,PE)			
	Nominal AC Current		13.6 Amp	18.2 Amp	22.7 Amp	25 Amp
	Max. AC Current		15 Amp	20 Amp	25 Amp	25.3 Amp
	Frequency		50/60Hz			
	Power Factor		0.8Lead~0.8Lag			
	THD		Comply with IEEE519			
Efficiency Data	Max. Efficiency		97.2%			
	Euro Efficiency		95.8%	96.3%	96.5%	96.5%
Environmental	Operating Temperature		-25°C~+60°C			
	Humidity		0~100%(Without condensation)			
	Altitude		0-2,000m/0-6,600ft			
Mechanical	Dimensions (W x D x H mm)		469 x 157 x 539 mm			
	Net Weight		17 Kg			
	Protection Class		IP65 · Outdoor			
	Cooling		Natural convection			
Communication	Communication Interfaces		RS485			
	Display		LCD+LED			
Protection	DC	Standard	DC Isolation fault, SPD			
	AC	Standard	Ground fault, Over Current, SPD			
		Islanding operation detection	Passive: Voltage phase jump detection Active: Reactive power control			
Certification	Safety		EN 62109-1, EN 62109-2, CNS 15426-1, CNS 15426-2			
	On-Grid Performance		VDE-AR-N 4105, CNS 15382			
	EMI/EMC		EN61000-6-2, EN61000-6-4, CNS 14674-1, CNS 14674-3			
	Current Distortion		IEEE-519			
	International Protection		CNS 14165 IP65			
	Corrosion Standard		IEC 60068-2-52(severity 5)			