



EnerSolis

ES 7200HC

Single Phase Grid Connected Photovoltaic Inverter

- Acceptable Input Voltage up to 1000 Vdc
- Transformer-less Topology
- Maximum Efficiency 97.2%
- Protection Class IP65
- Intelligent MPPT Technology
- Active and Passive Anti-islanding Technology
- Compact Design
- High MTBF Components
- Maximum Output Power Clamping
- Multi-Operation Mode
- Multi-Country Certification
- Temperature-dependent Fan Cooling
- Integrated DC Switch
- 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 72000HC	ES 72000HC-I
DC Input Data	Nominal DC Voltage	720Vdc	
	Max. DC Input Voltage	1000Vdc	
	Start-up Input Voltage	250Vdc	
	Max. DC Input current	20Amp x1	
	MPPT Voltage Range	150Vdc~1000Vdc	
	MPPT	1	
	Module Capacity	1.2 time	
AC Output Data	Nominal AC Power	7.2kVA / 7.2kW	
	Nominal AC Voltage	220 Vac	
	Output Connect Method	1P2W (L,N,PE) / 1P3W (L1,L2,PE)	
	Nominal AC Current	32.7 Amp	
	Max. AC Current	34.36 Amp	
	Frequency	50/60Hz	
	Power Factor	0.8Lead~0.8Lag	
	THD	Comply with IEEE519	
Efficiency Data	Max. Efficiency	97.2%	
	Euro Efficiency	96.4%	
Environmental	Operating Temperature	-25 °C ~ +60 °C	
	Humidity	0~100% (Without condensation)	
	Altitude	0-2,000 m / 0-6,600 ft	
Mechanical	Dimensions (W x D x H mm)	362 x 288 x 568	
	Net Weight	22kg	
	Protection Class	IP65 · Outdoor	
	Cooling	Forced air cooling	
Communication	Communication Interfaces	RS485	
	Display	LED+APP	
Protection	DC	Standard	DC Switch, 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	CNS 15426-1, CNS 15426-2	
	On-Grid Performance	CNS 15382	
	EMI/EMC	CNS 14674-1, CNS 14674-3	
	Current Distortion	IEEE-519	
	International Protection	CNS 14165 IP65	
	Corrosion Standard	IEC 60068-2-52(severity 5)	