SolarEdge Home Wave Inverter

Single Phase, for France, Spain, UK, and Hong Kong

SE8000H, SE10000H

INVERTERS



Optimized installation with HD-Wave technology

- Specifically designed to work with SolarEdge Power Optimizers
- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- Industry leading efficiency with 200% DC oversizing
- Seamless wireless connectivity with system devices such as the SolarEdge Home Battery, via optional SolarEdge Home Network platform
- Extremely compact, lightweight and easy to install
- Built-in module-level monitoring
- Suitable for outdoor and indoor installation
- Fixed voltage inverter for longer strings

(1) For more information, refer to: https://www.solaredge.com/sites/default/files/se-energy-net-plug-in-datasheet.pdf

/ SolarEdge Home Wave Inverter

Single Phase, for France, Spain, UK and Hong Kong (8 – 10 kW)

SE8000H, SE10000H

	SE8000H	SE10000H	
APPLICABLE TO INVERTERS WITH PART NUMBER	SEXXXXH-XXXXXBXX4 (Inverters with SetApp Configuration)		
OUTPUT			
Rated AC Power Output	8000	10000	VA
Maximum AC Power Output	8000	10000	VA
AC Output Voltage (Nominal)	220/230		Vac
AC Output Voltage Range	184 - 264.5		Vac
AC Frequency (Nominal)	50/60 ± 5		Hz
Maximum Continuous Output Current	36.5	45.5	A
Total Harmonic Distortion (THD)	<3		%
Power Factor	1, adjustable -0.8 to 0.8		
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes		
INPUT			
Maximum DC Power	16000	20000	W
Transformer-less, Ungrounded	Yes		
Maximum Input Voltage	480		Vdc
Nominal DC Input Voltage	400		Vdc
Maximum Input Current	20.5	25.5	Adc
Reverse-Polarity Protection	Yes		
Ground-Fault Isolation Detection	600kΩ Sensitivity per Unit		
Maximum Inverter Efficiency	99.2		%
European Weighted Efficiency	99		%
Nighttime Power Consumption	< 2.5		W
ADDITIONAL FEATURES			
Supported Communication Interfaces	RS485, Ethernet, ZigBee (optional), wireless SolarEdge Home Network (optional)(1), Wi-Fi (optional), Cellular (optional)		
Smart Energy Management	Export Limitation		
Arc Fault Protection	Integrated, User Configurable (According to UL1699B)		
Inverter Commissioning	With the SetApp mobile application using built in Wi-Fi access point for local connection		
Compatible Batteries	SolarEdge Energy Bank(2)		
STANDARD COMPLIANCE			
Safety	IEC62109		
Grid Connection Standards	G83/1, G83/2, G59/3, RD661, RD1699, UTE C15-712		
Electromagnetic Compatibility (EMC)	EN/IEC 61000-6-1, EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN/IEC 61000-6-4, EN 55011, FCC Part 15, EN/IEC 61000-3-2, EN/IEC 61000-3-3, EN/IEC 61000-3-11, EN/IEC 61000-3-12		
INSTALLATION SPECIFICATIONS			
AC Output - Supported Cable Diameter	9-16		mm
AC - Supported Wire Cross Section	1-13		mm^2
DC Input	3 x MC4 pair		
Dimensions (H x W x D)	360 x 370 x 185		mm
Weight	16.5		kg
Noise	< 50		dBA
Cooling	Natural Convection		
Operating Temperature Range	-40 to +60(3)		°C
Protection Rating	IP65 — Outdoor and Indoor		

(1) For more information, refer to: https://www.solaredge.com/sites/default/files/se-energy-net-plug-in-datasheet.pdf
(2) Pending inverter firmware support
(3) Full power up to at least 50°C. For power de-rating information refer to: https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf

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