

Single Phase Inverter with HD-Wave Technology

for France, Spain, UK and Hong Kong

SE8000H, SE10000H

INVERTERS



Optimized installation with HD-Wave technology

- Specifically designed to work with power optimizers
- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- Record-breaking efficiency
- Extremely small, lightweight and easy to install
- High reliability
- Built-in module-level monitoring
- Outdoor and indoor installation
- Fixed voltage inverter for longer strings
- Advanced safety feature - integrated arc fault protection

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	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	12400	15500	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), 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		
STANDARD COMPLIANCE			
Safety	IEC62109		
Grid Connection Standards	G83/1, G83/2, G59/3, RD661, RD1699, UTE C15-712		
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12		
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 ⁽¹⁾		°C
Protection Rating	IP65 — Outdoor and Indoor		

⁽¹⁾ 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>