SolarEdge Home Wave Inverter

For North America

SE3000H-US / SE3800H-US / SE5000H-US / SE5700H-US /
SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US

INVERTERS

12-25 YEAR WARRANTY



Optimized installation with HD-Wave technology

- Specifically designed to work with power optimizers
- Record-breaking 99% weighted efficiency
- Quick and easy inverter commissioning directly from a smartphone using SolarEdge SetApp
- Fixed voltage inverter for longer strings
- Integrated arc fault protection and rapid shutdown for NEC 2014-2023 per articles 690.11 and 690.12
- UL1741 SA certified, for CPUC Rule 21 grid compliance
- Small, lightweight, and easy to install both outdoors or indoors
- Built-in module-level monitoring
- Optional: Faster installations with built-in consumption metering (1% accuracy) and production revenue grade metering (0.5% accuracy, ANSI C12.20)

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SolarEdge Home Wave Inverter

For North America

SE10000H-US / SE11400H-US

Applicable to inverters with part number	SEXXXXH-XXXXXBXX4	SE11400H-XXXXXBXX5	Units
	SE10000H-US	SE11400H-US	
OUTPUT			
Rated AC Power Output	10000	11400 @ 240V 10000 @ 208V	VA
Maximum AC Power Output	10000	11400 @ 240V 10000 @ 208V	VA
AC Output Voltage Min. – Nom . – Max. (211 – 240 – 264)	✓	✓	Vac
AC Output Voltage Min. – Nom. – Max. (183 – 208 – 229)	-	✓	Vac
AC Frequency (Nominal)	59.3 – 60 – 60.5(6)		Hz
Maximum Continuous Output Current @240V	42	47.5	A
Maximum Continuous Output Current @208V	-	48.5	A
Power Factor	1, Adjustable – 0.85 to 0.85		
GFDI Threshold	1		A
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes		
INPUT			
Maximum DC Power @240V	15500	17650	W
Maximum DC Power @208V	-	15500	W
Transformer-less, Ungrounded	Yes		
Maximum Input Voltage	480		Vdc
Nominal DC Input Voltage	380		Vdc
Maximum Input Current @240V(7)	27	30.5	Adc
Maximum Input Current @208V(7)	-	27	Adc
Max. Input Short Circuit Current	45		Adc
Reverse-Polarity Protection	Yes		
Ground-Fault Isolation Detection	600k Sensitivity		
Maximum Inverter Efficiency	99.2		%
CEC Weighted Efficiency	99	99 @ 240V 98.5 @ 208V	%
Nighttime Power Consumption	< 2.5		W
ADDITIONAL FEATURES			
Supported Communication Interfaces	RS485, Ethernet, wireless SolarEdge Home Network (optional)(8), Wi-Fi (optional), Cellular (optional)		
Revenue Grade Metering, ANSI C12.20	Optional(9)		
Consumption Metering	Optional(9)		
Inverter Commissioning	With the SetApp mobile application using Built-in Wi-Fi Access Point for Local Connection		
Rapid Shutdown - NEC 2014-2023 per articles 690.11 and 690.12	Automatic Rapid Shutdown upon AC Grid Disconnect		
STANDARD COMPLIANCE			
Safety	Conforms to UL 1741, UL 1741SA, UL 1741SB, UL 1699B Certified by CSA 22.2#107.1, C22,2#330, C22.3#9, ANSI/CAN/UL 9540		
Grid Connection Standards	IEEE1547 and IEEE-1547.1, Rule 21, Rule 14H		
Emissions	FCC Part 15 Class B		
INSTALLATION SPECIFICATIONS			
AC Output Conduit Size / AWG Range	1'' Maximum / 14 – 4 AWG		
DC Input Conduit Size / # of Strings / AWG Range	1'' Maximum / 1 – 3 strings / 14 – 6 AWG		
Dimensions with Safety Switch (H x W x D)	21.06 x 14.6 x 7.3 / 535 x 370 x 185	21.06 x 14.6 x 8.2 / 535 x 370 x 208(10)	in / mm
Weight with Safety Switch	38.8 / 17.6	44.9 / 20.4(10)	lb / kg
Noise	<50		dBA
Cooling	Natural Convection		
Operating Temperature Range	-40 to +140 / -40 to +60(11)		˚F / ˚C
Protection Rating	NEMA 4X (Inverter with Safety Switch)		

(6) For other regional settings please contact SolarEdge support.
(7) A higher current source may be used; the inverter will limit its input current to the values stated.
(8) For more information, refer to the SolarEdge Home Network datasheet
(9) Inverter with Revenue Grade Production and Consumption Meter P/N: SExxxxH-US000BEI4. For consumption metering, current transformers should be ordered separately: SEACT0750-200NA-20 or SEACT0750-400NA-20. 20 units per box.
(10) SE11400H-USxxxBxx**5** is the updated PN, though SE11400H-USxxxBxx**4** will still be available. All specifications are similar for both models, **EXCLUDING** the weight and dimensions [HxWxD]; The weight and dimensions of SE11400H-USxxxBxx**4** are 38.8 / 17.6 [lb / kg] and 21.06 x 14.6 x 7.3 / 535 x 370 x 185 [in/mm], accordingly.
(11) Full power up to at least 50˚C / 122˚F; for power de-rating information refer to the Temperature Derating technical note for North America.

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SolarEdge is a global leader in smart energy technology. By leveraging world-class engineering capabilities and with a relentless focus on innovation, SolarEdge creates smart energy solutions that power our lives and drive future progress.

SolarEdge developed an intelligent inverter solution that changed the way power is harvested and managed in photovoltaic (PV) systems. The SolarEdge DC optimized inverter maximizes power generation while lowering the cost of energy produced by the PV system.

Continuing to advance smart energy, SolarEdge addresses a broad range of energy market segments through its PV, storage, EV charging, UPS, and grid services solutions.

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