

Single Phase Inverter with HD-Wave Technology

for Brazil

SE3680H, SE6000H, SE9200H

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
- Integrated DC Safety Unit - Eliminates the need for external DC isolators

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	SE3680H	SE6000H	SE9200H	
APPLICABLE TO INVERTERS WITH PART NUMBER	SEXXXXH-XXXXXBXX4			
OUTPUT				
Rated AC Power Output	3680	6000	9200	VA
Maximum AC Power Output	3680	6000	9200	VA
AC Output Voltage (Nominal)	220/230			Vac
AC Output Voltage Range	184 - 264.5			Vac
AC Frequency (Nominal)	60 ± 5			Hz
Maximum Continuous Output Current	16	27.5	42	A
Total Harmonic Distortion (THD)	<3			%
Power Factor	1 (adjustable from -0.9 to +0.9)		1 (adjustable from -0.8 to +0.8)	
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes			
INPUT				
Maximum DC Power	5700	9300	14260	W
Transformer-less, Ungrounded	Yes			
Maximum Input Voltage	480			Vdc
Nominal DC Input Voltage	380		400	Vdc
Maximum Input Current	10	16.5	23.5	Adc
Reverse-Polarity Protection	Yes			
Ground-Fault Isolation Detection	600kΩ Sensitivity			
Maximum Inverter Efficiency	99	99.2		%
European Weighted Efficiency	98.8	99		%
Nighttime Power Consumption	< 2.5			W
ADDITIONAL FEATURES				
Supported Communication Interfaces	RS485, Ethernet, WiFi ^① , Cellular (optional)			
Smart Energy Management	Export Limitation			
Inverter Commissioning	with the SetApp mobile application using built-in Wi-Fi access point for local connection			
Arc Fault Protection	Integrated, User Configurable (According to UL1699B)			
STANDARD COMPLIANCE				
Safety	IEC62109, AS/NZS3100			
Grid Connection Standards	ABNT NBR 16149:2013, ABNT NBR 16150 :2013, ABNT NBR IEC 62116:2012, EN 50438, IEC61727, IEC62116			
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12, FCC Part 15 Class B			
INSTALLATION SPECIFICATIONS				
AC Output gland	9-16			mm
AC TB cross section	1-13			mm
Dimensions (H x W x D)	280 X 370 X 134	280 X 370 X 154	360 X 370 X 185	mm
DC Input	1 x MC4 pair	2 x MC4 pairs	3 x MC4 pairs	
Weight	7.8	10.6	16.5	kg
Noise	< 25		< 50	dBA
Cooling	Natural Convection			
Operating Temperature Range	-40 to +60 ^②			°C
Protection Rating	IP65 — Outdoor and Indoor			

^① Wi-Fi connectivity requires an external antenna. For more information refer to: <https://www.solaredge.com/sites/default/files/se-wifi-zigbee-antenna-datasheet.pdf>

^② 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>