



SolarEdge Single Phase Inverters

SE2200H, SE3000H, SE3500H, SE3680H
SE4000H, SE5000H, SE6000H



INVERTERS

Optimized installation with HD-Wave technology

- Specifically designed to work with power optimizers
- Record-breaking efficiency
- Extremely small, lightweight and easy to install
- High reliability without any electrolytic capacitors
- Built-in module-level monitoring
- Outdoor and indoor installation
- Fixed voltage inverter for longer strings
- Smart Energy Management control
- Compatible with the StorEdge Interface for StorEdge™ applications





Single Phase Inverters

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	SE2200H	SE3000H	SE3500H	SE3680H	SE4000H	SE5000H	SE6000H	
OUTPUT								
Rated AC Power Output	2200	3000	3500	3680	4000	5000 ⁽¹⁾	6000	VA
Maximum AC Power Output	2200	3000	3500	3680	4000	5000 ⁽¹⁾	6000	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	10	14	16	16	18.5	23	27.5	A
Utility Monitoring, Islanding Protection, Country Configurable Thresholds				Yes				
INPUT								
Maximum DC Power	3400	4650	5425	5700	6200	7750	9300	W
Transformer-less, Ungrounded				Yes				
Maximum Input Voltage				480				Vdc
Nominal DC Input Voltage				380				Vdc
Maximum Input Current	6.5	9	10	10.5	11.5	13.5	16.5	Adc
Reverse-Polarity Protection				Yes				
Ground-Fault Isolation Detection				600kΩ Sensitivity				
Maximum Inverter Efficiency				99.2				%
European Weighted Efficiency	98.3	98.8			99			%
Nighttime Power Consumption				< 2.5				W
ADDITIONAL FEATURES								
Supported Communication Interfaces	RS485, Ethernet, ZigBee (optional), WiFi (optional), Cellular (optional)							
Smart Energy Management	Export Limitation, Home Energy Management, StorEdge applications							
STANDARD COMPLIANCE								
Safety	IEC-62109-1/2, AS-3100							
Grid Connection Standards	AS-4777, VDE-AR-N-4105, VDE 0126-1-1, UTE C15-712, G83/2, G59/3, CEI-021, EN 50438, IEC61727, IEC62116, ÖNORM, TF3.2.1, C10-11, NRS 097-2-1							
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12, FCC Part 15 Class B							
INSTALLATION SPECIFICATIONS								
AC Output - Supported Cable Diameter				9 - 16				mm
AC - Supported Wire Cross Section				1 - 16				mm²
DC Input	1 x MC4			2 x MC4 pair				
Dimensions (H x W x D)				280 x 370 x 142				mm
Noise				< 25				dBA
Weight	7.8			9		10.6		kg
Cooling				Natural Convection				
Operating Temperature Range				-20 to +60 ⁽²⁾ (-40°C option)				°C
Protection Rating				IP65 - Outdoor and Indoor				

⁽¹⁾ 4600VA in Germany

⁽²⁾ For power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf>