Single Phase Inverter with HD-Wave Technology

INVERTERS

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

12-25 YEAR WARRANTY

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
- Built-in module-level monitoring
- Outdoor and indoor installation
- Fixed voltage inverter for longer strings
- Smart Energy Management control
- Advanced safety feature - integrated arc fault protection
- Compatible with the StorEdge Interface for StorEdge™ applications

/ Single Phase Inverter with HD-Wave Technology

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

	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, Configurable Power Factor, Country Configurable Thresholds	Yes							
INPUT								
Maximum DC Power	3400	4650	5425	5700	6200	7750[2]	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 per Unit							
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, Smart Energy, StorEdge Applications							
Arc Fault Protection	Integrated, User Configurable (According to UL1699B)							
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	1-13							mm^2
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[3] (-40˚C option)							˚C
Protection Rating	IP65 — Outdoor and Indoor							

[1] 4600VA in Germany
[2] 7130VA in Germany
[3] For power de-rating information refer to: https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf

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CE RoHS