

# StorEdge® Single Phase Inverter with HD-Wave Technology

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



StorEdge®

## Optimized for on-grid applications

- // A single unit which manages PV, household consumption, and battery power
- // Simple installation and inventory management
- // Allows connection of selected battery vendors such as the LG Chem RESU
- // Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- // Record-breaking efficiency
- // High reliability
- // Built-in module-level monitoring
- // Designed to eliminate DC voltage and current during installation, maintenance or firefighting
- // Fixed voltage inverter for longer strings
- // Outdoor and indoor installation

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	SE2200H	SE3000H	SE3500H	SE3680H	SE4000H	SE5000H	SE6000H	
APPLICABLE TO INVERTERS WITH PART NUMBER	SEXXXXH-RWSXXBXX4							
<b>OUTPUT</b>								
Rated AC Power Output	2200	3000	3500	3680	4000	5000	6000	VA
Maximum AC Power Output	2200	3000	3500	3680	4000	5000	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
Total Harmonic Distortion (THD)	<3							%
Power Factor	1, adjustable -0.9 to 0.9							
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes							
Charge Battery from AC	Yes							
<b>INPUT (PV)</b>								
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	600							kΩ
Maximum Inverter Efficiency	99.2							%
European Weighted Efficiency	98.3	98.8				99		%
<b>INPUT (BATTERY)</b>								
Compatible Batteries	LG Chem RESU7H or LG Chem RESU10H							
Number of Batteries per Inverter	1							
Maximum Continuous Battery Charge and Discharge	5000							W
Maximum Peak Battery Charge and Discharge (10 sec)	7000							W
Max Input Voltage	480							Vdc
Max Continuous Current	14							Adc
<b>ADDITIONAL FEATURES</b>								
Supported Communication Interfaces	RS485, Ethernet, Wi-Fi <sup>(1)</sup> , Cellular (optional), ZigBee for Smart Energy (optional) <sup>(2)</sup>							
Smart Energy Management <sup>(3)</sup>	Export Limitation, Smart Energy							
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)							

<sup>(1)</sup> 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>

<sup>(2)</sup> For more information refer to: <https://www.solaredge.com/sites/default/files/se-zigbee-plug-in-wireless-communication-for-setapp-datasheet.pdf>

<sup>(3)</sup> An import and export meter is required for export limitation and most of home energy management functions

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<b>STANDARD COMPLIANCE</b>							
Safety	IEC-62109-1/2, AS-3100						
Grid Connection Standards	IEC61727, IEC62116, EN 50438, VDE-AR-N-4105, VDE 0126-1-1, UTE_C_15-712, G83/2, G59/3, CEI-021, ONORM, 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						
<b>INSTALLATION SPECIFICATIONS</b>							
AC Output - Supported Cable Diameter	9-16						mm
AC - Supported Wire Cross Section	1-13						mm <sup>2</sup>
DC Input (PV)	1 x MC4			2 x MC4 pair			
Battery Input	1 x MC4						
Dimensions (H x W x D) with StorEdge Interface	450 x 370 x 174						mm
Noise	< 25						dBA
Weight	10			11.4		11.9	kg
Cooling	Natural Convection						
Operating Temperature Range	-40 to +60 <sup>①</sup>						°C
Protection Rating	IP65 — Outdoor and Indoor						

<sup>①</sup> 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>