

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
- / Connects to the LG Chem RESU 7H/10H and LG Chem RESU 10H/16H Prime batteries
- / Industry leading efficiency with 200% DC oversizing
- / Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- / Seamless wireless connectivity with system devices such as the SolarEdge Energy Bank battery, via optional SolarEdge Energy Net platform
- / Built-in module-level monitoring
- / Designed to eliminate DC voltage and current during installation, maintenance or firefighting
- / Fixed voltage inverter for longer strings
- / Suitable for outdoor and indoor installation

/ StorEdge® Single Phase Inverter with HD-Wave Technology

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

APPLICABLE TO INVERTERS WITH PART NUMBER	SEXXXXH-RWSXXBXX4							
	SE2200H	SE3000H	SE3500H	SE3680H	SE4000H	SE5000H	SE6000H	
OUTPUT								
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							
INPUT (PV)								
Maximum DC Power	4400	6000	7000	7360	8000	10000	12000	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		%
INPUT (BATTERY)								
Compatible Batteries	LG Chem RESU7H, LG Chem RESU10H, LG Chem RESU10H Prime, LG Chem RESU16H Prime							
Number of Batteries per Inverter	Single LG Chem RESU7H or RESU10H Two LG Chem RESU10H or RESU16H Prime batteries ⁽¹⁾							
Maximum Continuous Battery Charge and Discharge	5000							W
Max Input Voltage	480							Vdc
Max Continuous Current	14							Adc
ADDITIONAL FEATURES								
Supported Communication Interfaces	RS485, Ethernet, Wi-Fi ⁽²⁾ , wireless SolarEdge Energy Net (optional) ⁽³⁾ , Cellular (optional), ZigBee for Smart Energy (optional) ⁽⁴⁾							
Smart Energy Management ⁽⁵⁾	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)							

(1) Supporting inverter FW is required for increased capacity

(2) 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>

(3) For more information, refer to: <https://www.solaredge.com/sites/default/files/se-energy-net-plug-in-datasheet.pdf>

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

(5) An import and export meter is required for export limitation and most of home energy management functions

/ StorEdge® Single Phase Inverter with HD-Wave Technology

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

APPLICABLE TO INVERTERS WITH PART NUMBER	SEXXXXH-RWSXXBXX4							
	SE2200H	SE3000H	SE3500H	SE3680H	SE4000H	SE5000H	SE6000H	
STANDARD COMPLIANCE								
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, 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	1-10							mm ²
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 ⁽⁶⁾							°C
Protection Rating	IP65 — Outdoor and Indoor							

(6) 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>