

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

/ StorEdge® Single Phase Inverter with HD-Wave Technology

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

	SE2200H	SE3000H	SE3500H	SE3680H	SE4000H	SE5000H	SE6000H	
APPLICABLE TO INVERTERS WITH PART NUMBER	SEXXXXH-RWSXXX4							
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	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		%
INPUT (BATTERY)								
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
ADDITIONAL FEATURES								
Supported Communication Interfaces	RS485, Ethernet, Wi-Fi ⁽¹⁾ , Cellular (optional), ZigBee for Smart Energy (optional) ⁽²⁾							
Smart Energy Management ⁽³⁾	Export Limitation, Smart Energy							
Import/Export and Consumption Metering	Optional ⁽⁴⁾							
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) Wi-Fi connectivity requires connection of an additional Wi-Fi component, ordered separately. For more details ask your SolarEdge sales person or refer to: <https://www.solaredge.com/products/communication>

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

(3) For export limitation, the optional export meter is required. This built-in meter can also be used for additional home energy management capabilities, if needed

(4) Inverter with built-in meter P/N: SExxxH-RWSxxx2x. For import/export and consumption energy metering, current transformers should be ordered separately

/ StorEdge® Single Phase Inverter with HD-Wave Technology

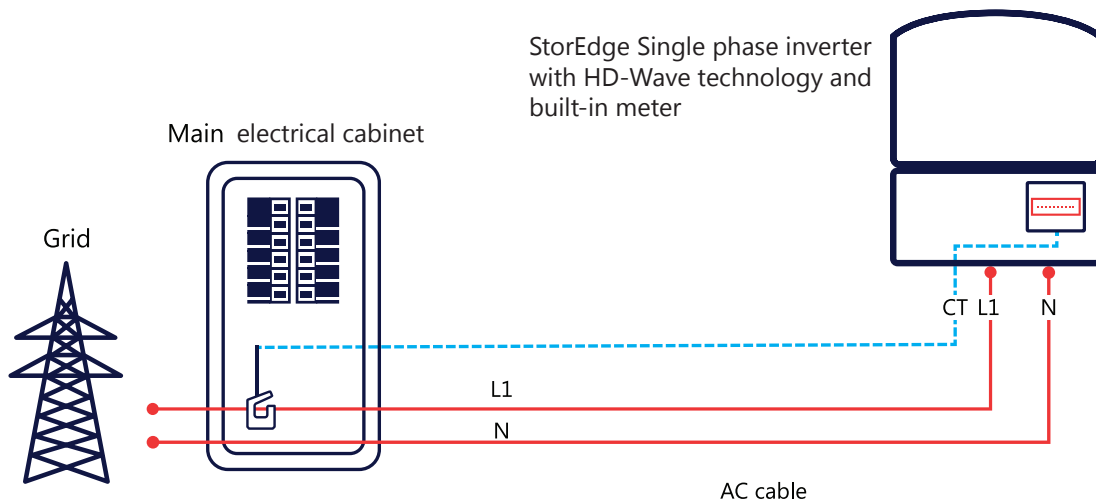
SE2200H, SE3000H, SE3500H, SE3680H, SE4000H, SE5000H, SE6000H

	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, 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						
INSTALLATION SPECIFICATIONS							
AC Output - Supported Cable Diameter	9-16						mm
AC - Supported Wire Cross Section	1-13						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	
Cooling	Natural Convection						
Operating Temperature Range	-40 to +60 ^①						°C
Protection Rating	IP65 — Outdoor and Indoor						

^① 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>

/ Enabling Import/Export and Consumption Metering

By simply wiring current transformers from the main electrical cabinet to the inverter, homeowners will gain full insight into their household energy usage, helping them to avoid high electricity bills



* One CT for import/export or consumption