StorEdge AC Coupled

Single Phase Inverter with HD-Wave Technology

SE3680H, SE5000H

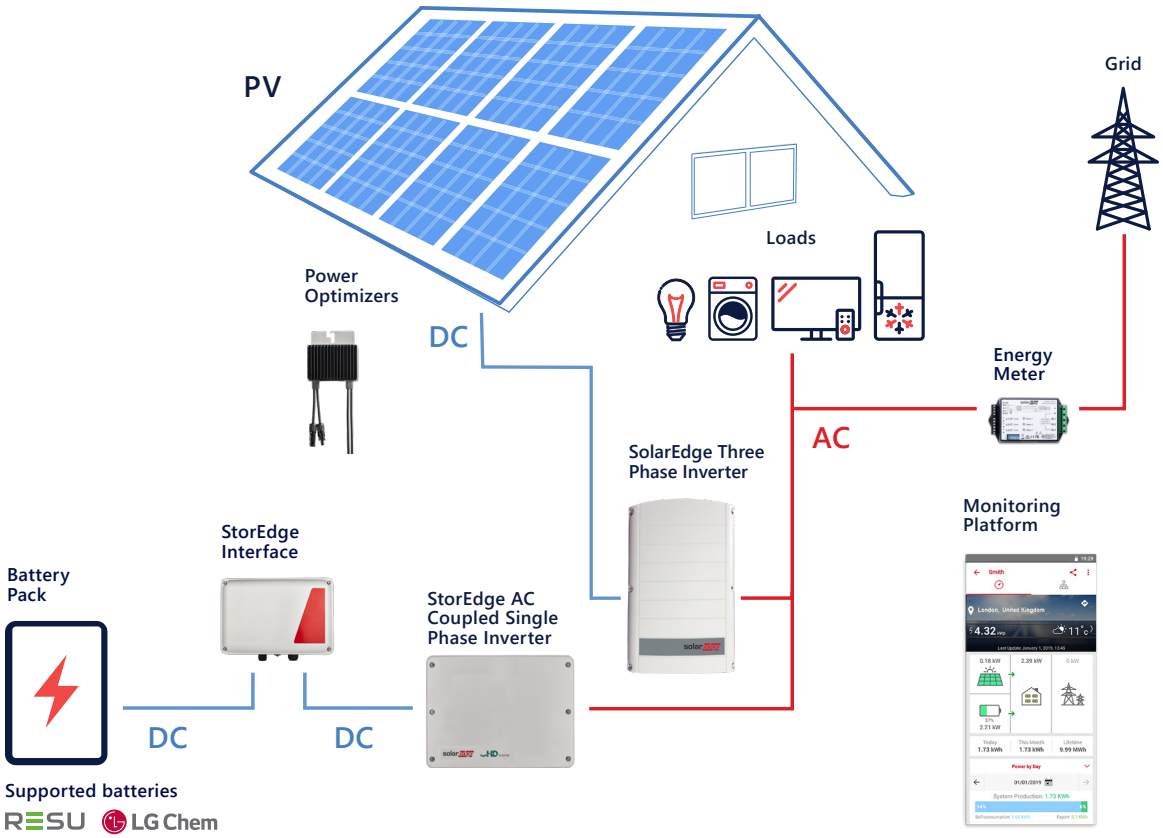
STOREDGE™



Upgrade existing PV systems to StorEdge™

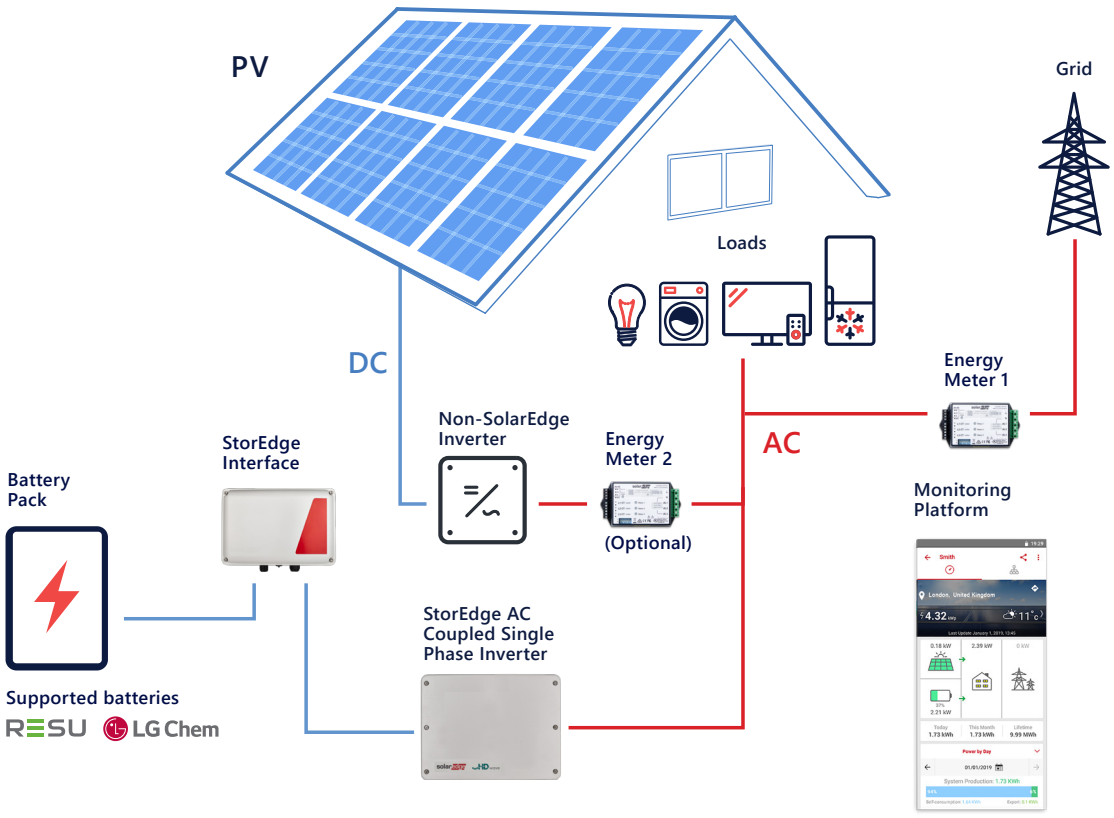
- All the benefits of HD-Wave Technology: record-breaking efficiency, extremely small, lightweight and easy to install, and high reliability
- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- Specially designed to work side by side with SolarEdge Three Phase inverters and non-SolarEdge inverters
- Compatible with the StorEdge Interfaces and selected battery vendors such as the LG Chem RESU
- IP65 – Outdoor and indoor installation
- No high voltage or current during installation, maintenance or firefighting for maximum safety
- The StorEdge AC Coupled Single Phase Inverter does not work with power optimizers or as a standard solar PV inverter
- Monitor battery status, PV inverter production, and self-consumption data for full visibility

StorEdge AC Coupled Single Phase Inverter
with Three Phase SolarEdge Inverter*



* This configuration can be installed only in countries without per phase export limitation requirements

StorEdge AC Coupled Single Phase Inverter
with Non-SolarEdge Inverter**



** Energy meter 2 is optional - needed for full system monitoring: consumption, self-consumption and inverter production

/ StorEdge AC Coupled Single Phase Inverter with HD-Wave Technology

SE3680H, SE5000H

	SE3680H	SE5000H	
APPLICABLE TO INVERTERS WITH PART NUMBER	**SEXXXXH-RWSACBXXXX**		
OUTPUT			
Rated AC Power Output [1]	3680	5000 [2]	VA
Maximum AC Power Output [1]	3680	5000 [2]	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	16	23	A
Residual Current Detector / Residual Current Step Detector	300 / 30		mA
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes		
INPUT			
Battery	LG Chem RESU7H[3]	LG Chem RESU10H[3]	W
Transformer-less, Ungrounded	Yes		
Maximum Input Voltage	480		Vdc
Nominal DC Input Voltage	380		Vdc
Maximum Input Current	10.5	13.5	Adc
Reverse-Polarity Protection	Yes		
Ground-Fault Isolation Detection	600kΩ Sensitivity		
Maximum Inverter Efficiency	99.2		%
European Weighted Efficiency	98.8	99	%
ADDITIONAL FEATURES			
Supported Communication Interfaces[4]	RS485, Ethernet, ZigBee (optional), Wi-Fi (requires antenna)[5], Cellular (optional)		
Inverter Commissioning	With the SetApp mobile application using built in Wi-Fi access point for local connection		
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 part15 class B		
RoHS	Yes		
INSTALLATION SPECIFICATIONS			
AC Output to other inverter	9-16		mm
DC input	1 x MC4 pair	2 x MC4 pair	
Dimensions (HxWxD)	280 x 370 x 142		mm
Weight	7.8	9	kg
Cooling	Natural Convection		
Noise	<25		dBA
Operating Temperature Range	-40 to +60[6]		˚C
Protection Rating	IP65 - Outdoor and Indoor		
Mounting	Bracket provided		

(1) The AC power output is the minimum between the AC Power Output and the battery continuous peak power
(2) 4600VA in Germany
(3) Supporting StorEdge Interface required
(4) Refer to Datasheets -> Communications category in Downloads page for specifcations of optional communication options: http://www.solaredge.com/groups/support/downloads
(5) 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
(6) De-rating from 50˚C .For power de-rating information refer to: https://www.solaredge.com/sites/default/fles/se-temperature-derating-note.pdf

CE RoHS

© SolarEdge Technologies Ltd. All rights reserved. SOLAREDGE, the SolarEdge logo, OPTIMIZED BY SOLAREDGE are trademarks or registered trademarks of SolarEdge Technologies, Inc. All other trademarks mentioned herein are trademarks of their respective owners. Date: 05/2019/V01/ENG ROW. Subject to change without notice.

solaredge