StorEdge AC Coupled

Single Phase Inverter with HD-Wave Technology

SE3680H, SE5000H



STOREDGETM

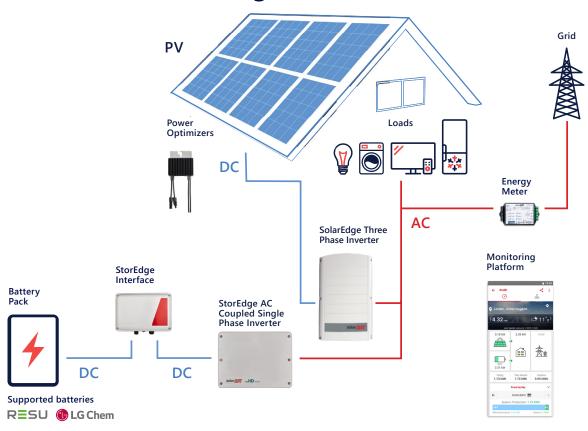
Upgrade existing PV systems to StorEdge™

- 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

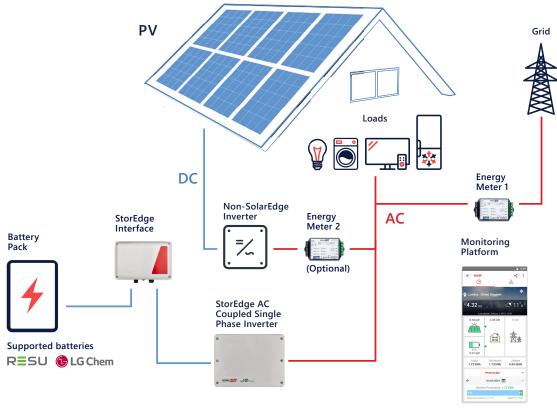


/ StorEdge AC Coupled Single Phase Inverter with Three Phase SolarEdge Inverter*



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

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



 $^{^{\}star\star} \ Energy \ meter \ 2 \ is \ optional \ - \ needed \ for \ full \ system \ monitoring: \ consumption, \ self-consumption \ and \ inverter \ production$

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	А
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	Add
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 3	70 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) 4600}VA in Germany

⁽³⁾ Supporting StorEdge Interface required
(4) Refer to Datasheets -> Communications category in Downloads page for specifications 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