



StorEdge™ AC Coupled HD-Wave Inverter

SE3680H, SE5000H



STOREDGE™

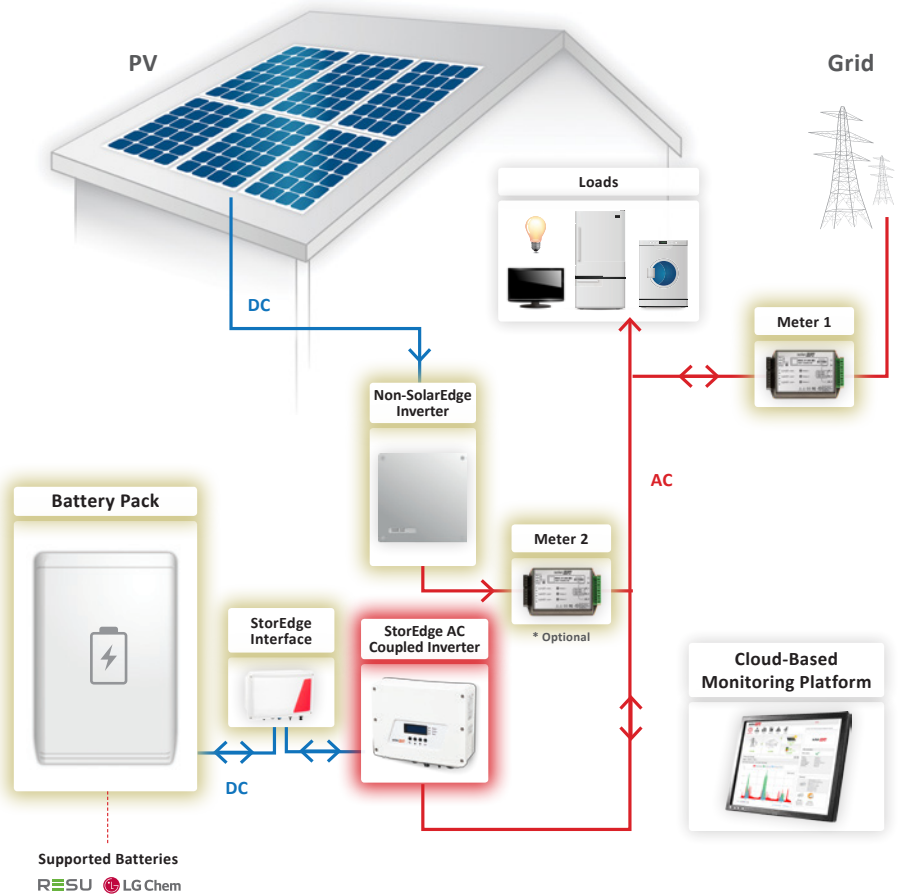
Upgrade existing PV systems to StorEdge™

- All the benefits of the HD-Wave inverter: record-breaking efficiency, extremely small, lightweight and easy to install, and high reliability without any electrolytic capacitors
- Specially designed to work side by side with three-phase SolarEdge inverters and non-SolarEdge inverters
- Compatible with the SolarEdge StorEdge Interfaces and selected battery vendors such as the LG Chem RESU
- Monitor battery status, PV inverter production, and self-consumption data for full visibility
- IP65 – Outdoor and indoor installation
- No high voltage or current during installation, maintenance or firefighting for maximum safety
- The StorEdge™ AC Coupled Inverter does not work with power optimizers or as a standard solar PV inverter



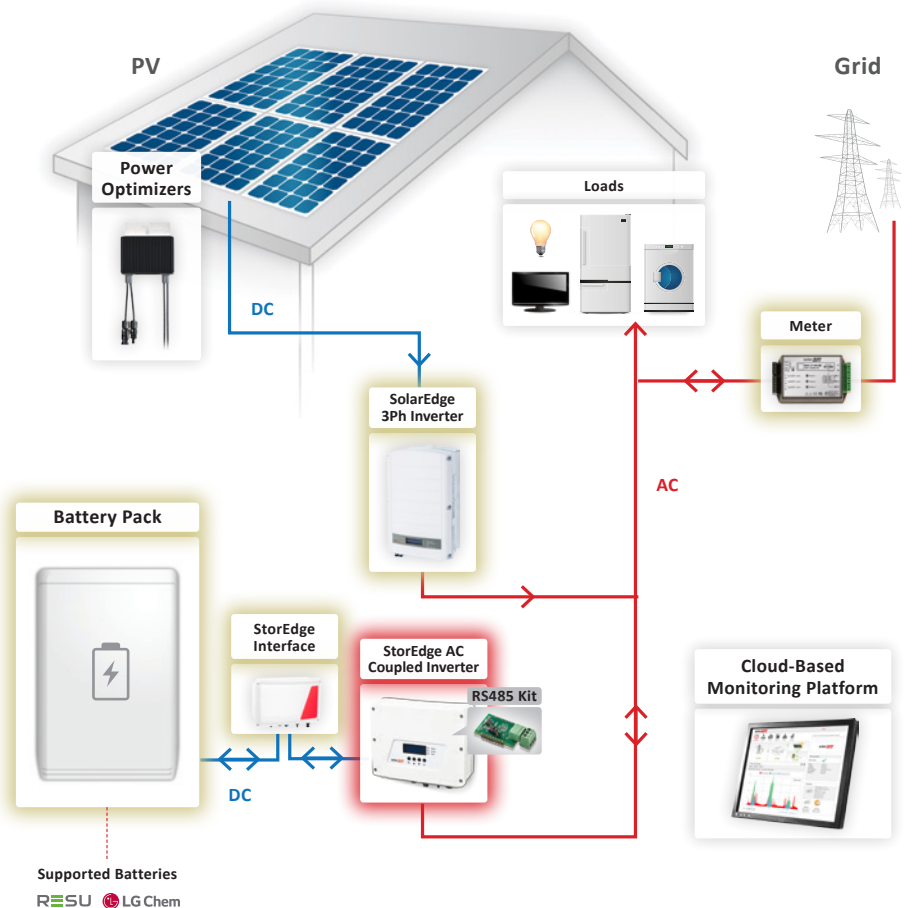


StorEdge AC Coupled HD-Wave Inverter with Non- SolarEdge Inverter



* Optional - needed for full system monitoring: consumption, self-consumption and inverter production

StorEdge AC Coupled HD-Wave Inverter with Three Phase SolarEdge Inverter



	SE3680H		SE5000H		
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		%
Nighttime Power Consumption	< 2.5				W
ADDITIONAL FEATURES					
Supported Communication Interfaces ⁽⁴⁾	RS485, Ethernet, ZigBee (optional), Wi-Fi (optional), Cellular (optional)				
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	9.5				kg
Cooling	Natural Convection				
Noise	<25				dBA
Operating Temperature Range	-20 to +60 ⁽⁵⁾ (-40°C option)				°C
Protection Rating	IP65 - Outdoor and Indoor				
Bracket Mounted (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 specifications of optional communication options: <http://www.solaredge.com/groups/support/downloads>

⁽⁵⁾ De-rating from 50°C

