



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

SE3680H, SE5000H



STOREDGE™

## Upgrade existing PV systems to StorEdge™

- All the benefits of the HD-Wave Technology: record-breaking efficiency, extremely small, lightweight and easy to install, and high reliability
- Specially designed to work side by side with three-phase SolarEdge inverters and non-SolarEdge inverters
- Compatible with the 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 Single Phase Inverter does not work with power optimizers or as a standard solar PV inverter





# StorEdge AC Coupled Single Phase Inverter with HD-Wave Technology SE3680H, SE5000H

	SE3680H	SE5000H	
<b>OUTPUT</b>			
Rated AC Power Output <sup>(1)</sup>	3680	5000 <sup>(2)</sup>	VA
Maximum AC Power Output <sup>(1)</sup>	3680	5000 <sup>(2)</sup>	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		
<b>INPUT</b>			
Battery	LG Chem RESU7H <sup>(3)</sup>	LG Chem RESU10H <sup>(3)</sup>	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	%
<b>ADDITIONAL FEATURES</b>			
Supported Communication Interfaces <sup>(4)</sup>	RS485, Ethernet, ZigBee (optional), Wi-Fi (optional), Cellular (optional)		
<b>STANDARD COMPLIANCE</b>			
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		
<b>INSTALLATION SPECIFICATIONS</b>			
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 <sup>(5)</sup> (-40°C option)		°C
Protection Rating	IP65 - Outdoor and Indoor		
Bracket Mounted (Bracket Provided)			

<sup>(1)</sup> The AC power output is the minimum between the AC Power Output and the battery continuous peak power

<sup>(2)</sup> 4600VA in Germany

<sup>(3)</sup> Supporting StorEdge Interface required

<sup>(4)</sup> Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: <http://www.solaredge.com/groups/support/downloads>

<sup>(5)</sup> De-rating from 50°C



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