



# StorEdge™ AC Coupled Single Phase Inverter

with HD-Wave Technology for Australia  
SE3000H, SE5000H



STOREDGE™

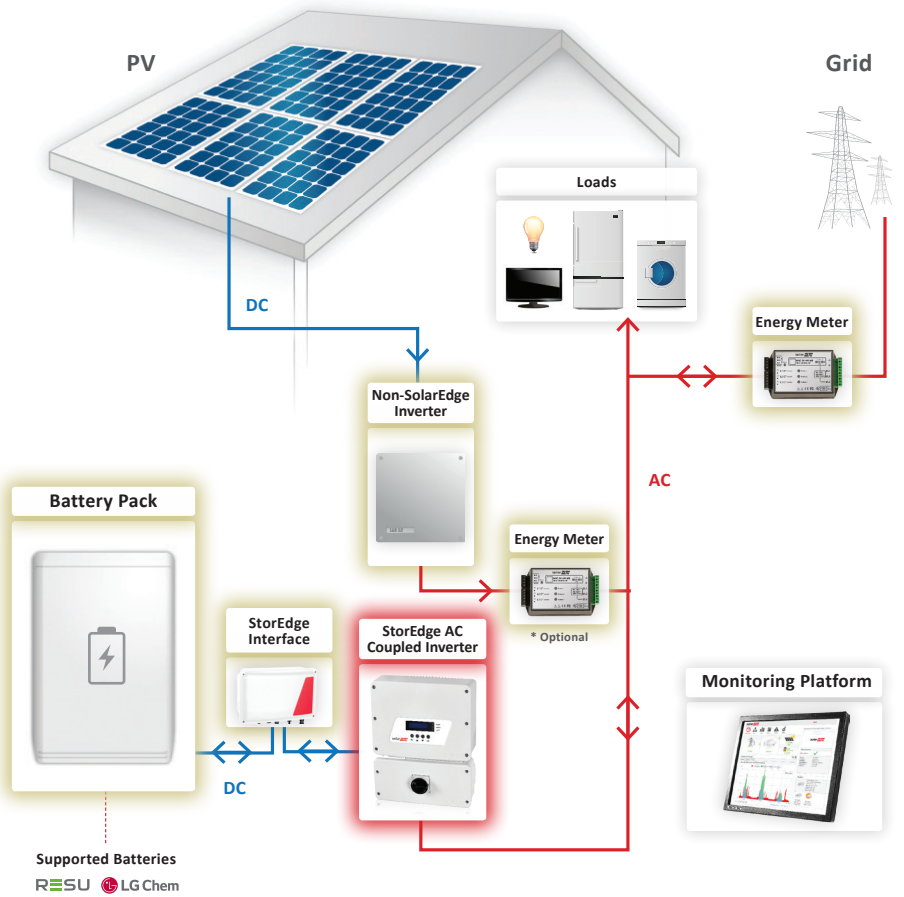
## Upgrade existing PV systems to StorEdge™

- All the benefits of the HD-Wave technology record-breaking efficiency, extremely small, lightweight and easy to install, and high reliability without any electrolytic capacitors
- 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
- Monitors 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 optimisers or as a standard solar PV inverter



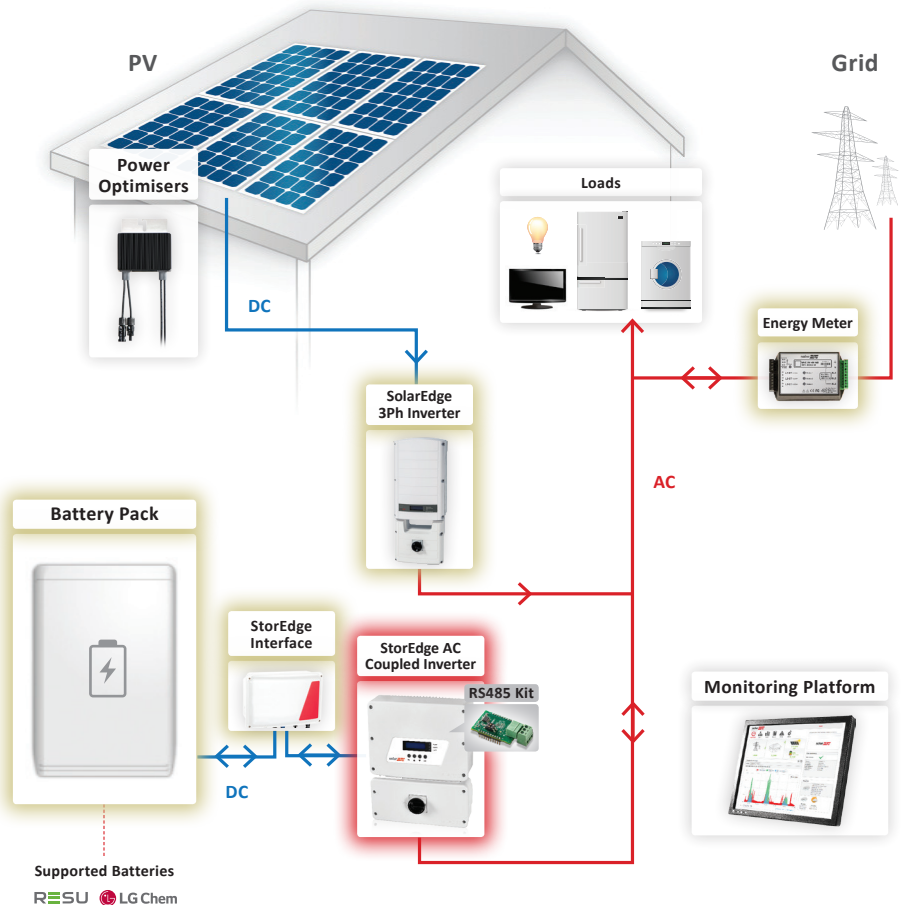


# StorEdge AC Coupled Single Phase Inverter with Non-SolarEdge Inverter



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

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





# StorEdge AC Coupled Single Phase Inverter with HD-Wave Technology for Australia SE3000H, SE5000H

	SE3000H	SE5000H	
<b>OUTPUT</b>			
Rated AC Power Output <sup>(1)</sup>	3000	4985	VA
Maximum AC Power Output <sup>(1)</sup>	3000	4985	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	14	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>(2)</sup>	LG Chem RESU10H <sup>(2)</sup>	W
Transformer-less, Ungrounded	Yes		
Maximum Input Voltage	480		Vdc
Nominal DC Input Voltage	380		Vdc
Maximum Input Current	9	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
<b>ADDITIONAL FEATURES</b>			
Supported Communication Interfaces <sup>(3)</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		
<b>INSTALLATION SPECIFICATIONS</b>			
AC Output Conduit Size / AWG Range	19-25.4mm / 14-6 AWG		
DC Input Conduit Size / # of Strings / AWG Range	19-25.4mm / 1-2 strings / 14-6 AWG		
Dimensions with Safety Switch (HxWxD)	450 x 370 x 174		mm
Weight with Safety Switch	11.5		kg
Cooling	Natural Convection		
Noise	<25		dBA
Operating Temperature Range	-20 to +60 <sup>(4)</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> Supporting StorEdge Interface required

<sup>(3)</sup> Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: <http://www.solaredge.com/groups/support/downloads>

<sup>(4)</sup> De-rating from 50°C

