

StorEdge AC Coupled Single Phase Inverter with HD-Wave Technology for Australia

SE3000H, SE5000H

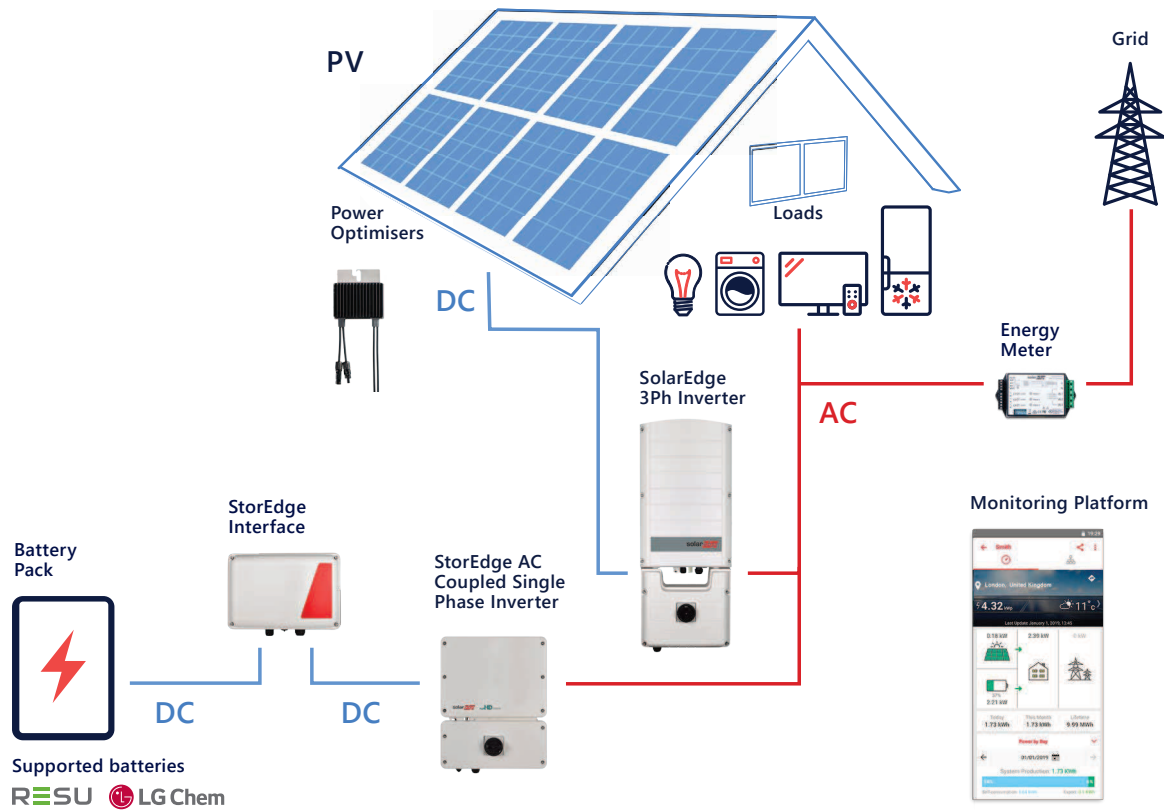


STOREDGE™

Upgrade existing PV systems to StorEdge™

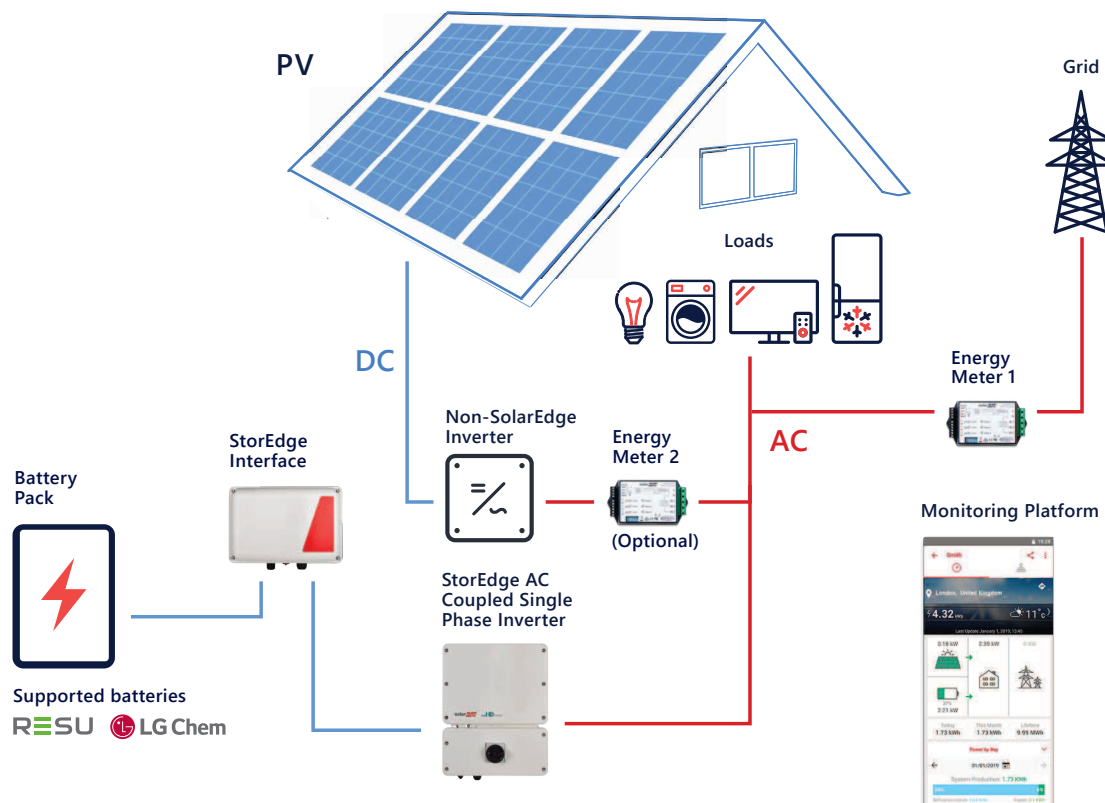
- // No high voltage or current during installation, maintenance or firefighting for maximum safety
- // Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- // All the benefits of the HD-Wave technology record-breaking efficiency, extremely small, lightweight and easy to install, and high reliability
- // 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
- // Specially designed to work side by side with three-phase SolarEdge inverters and non-SolarEdge inverters
- // The StorEdge AC Coupled Single Phase Inverter does not work with power optimisers or as a standard solar PV inverter
- // IP65 – Outdoor and indoor installation

/ 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

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SE3000H

SE5000H

**APPLICABLE TO INVERTERS
WITH PART NUMBER**

SEXXXXH-AUSACBXXX

OUTPUT

Rated AC Power Output ⁽¹⁾	3000	5000	VA
Maximum AC Power Output ⁽¹⁾	3000	5000	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		

INPUT

Battery ⁽²⁾	LG Chem RESU7H or LG Chem RESU10H ⁽³⁾		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	%

ADDITIONAL FEATURES

Supported Communication Interfaces ⁽⁴⁾	RS485, Ethernet, ZigBee for Smart Energy (optional) ⁽⁵⁾ , Wi-Fi (Built-in; antenna included), Cellular (optional)
Inverter Commissioning	With the SetApp mobile application using built-in Wi-Fi access point for local connection

STANDARD COMPLIANCE

Safety	IEC-62109, AS/NZS3100
Grid Connection Standards	AS/NZS4777:2015
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12, FCC part15 class B

INSTALLATION SPECIFICATIONS

AC Output Conduit Size / Wire Cross Section	25mm Maximum / 1-13mm ²	
DC Input Conduit Size / # of Strings / Wire Cross Section	25mm Maximum / 1-2 strings / 1-13mm ²	
Dimensions with Safety Switch (HxWxD)	450 x 370 x 174	
Weight with Safety Switch	10	11.4
Cooling	Natural Convection	
Noise	<25	
Operating Temperature Range	-40 to +60 ⁽⁶⁾	
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) Supporting StorEdge Interface required

(3) Connection of 2 LG Chem RESU10H batteries per inverter is supported. Each battery must have a different part number, and supporting SolarEdge firmware is required

(4) Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: <http://www.solaredge.com/groups/support/downloads>(5) For more information refer to: <https://www.solaredge.com/sites/default/files/se-zigbee-plug-in-wireless-communication-for-setapp-datasheet-au.pdf>(6) For power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf>
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