

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

SE3000H, SE5000H

12-25  
YEAR  
WARRANTY

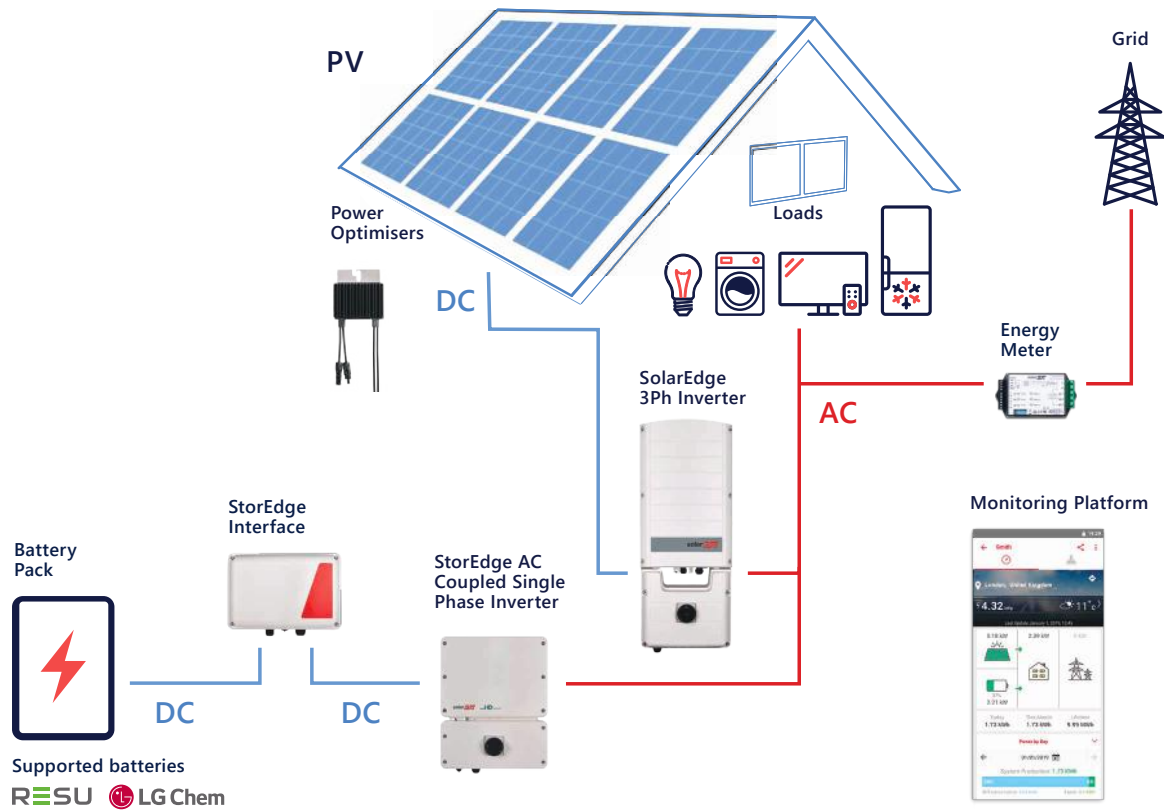


STOREDGE™

## Upgrade existing PV systems to StorEdge™

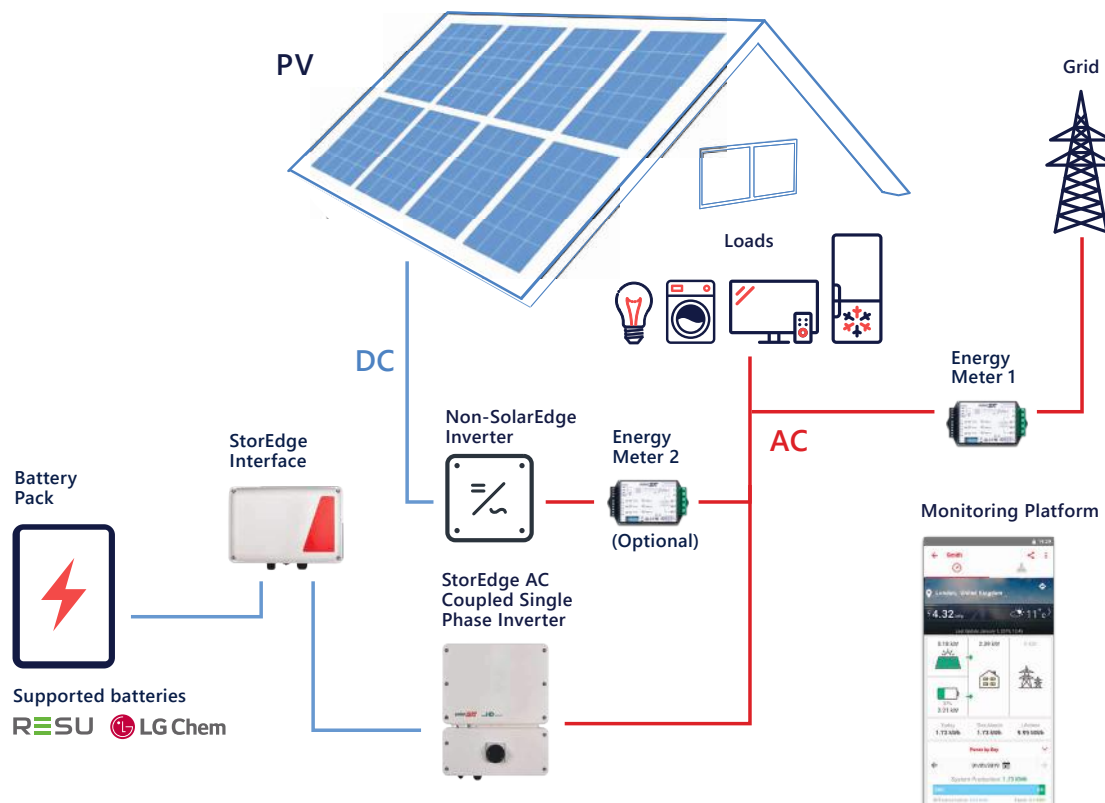
- // No high voltage or current during installation, maintenance or firefighting for maximum safety
- // Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- // All the benefits of the HD-Wave technology record-breaking efficiency, extremely small, lightweight 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

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

SE3000H

SE5000H

**APPLICABLE TO INVERTERS  
WITH PART NUMBER**

SEXXXXH-AUSACBXXX

**OUTPUT**

|  |             |      |     |
|--|-------------|------|-----|
| Rated AC Power Output <sup>(1)</sup>   | 3000        | 5000 | VA  |
| Maximum AC Power Output <sup>(1)</sup>                                       | 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 /<br>Residual Current Step Detector                | 300 / 30    |      | mA  |
| Utility Monitoring, Islanding Protection,<br>Country Configurable Thresholds | Yes         |      |     |

**INPUT**

|                                  |  |      |     |
|----------------------------------|--|------|-----|
| Battery <sup>(2)</sup>           | LG Chem RESU7H or 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            | 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 <sup>(4)</sup> | RS485, Ethernet, ZigBee for Smart Energy (optional) <sup>(5)</sup> , 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 <sup>2</sup>               |      |
| DC Input Conduit Size / # of Strings / Wire Cross Section | 25mm Maximum / 1-2 strings / 1-13mm <sup>2</sup> |      |
| 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 <sup>(6)</sup>                        |      |
| 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>
**CE RoHS**

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