

StorEdge AC Coupled Single Phase Inverter with HD-Wave Technology

SE3680H, SE5000H

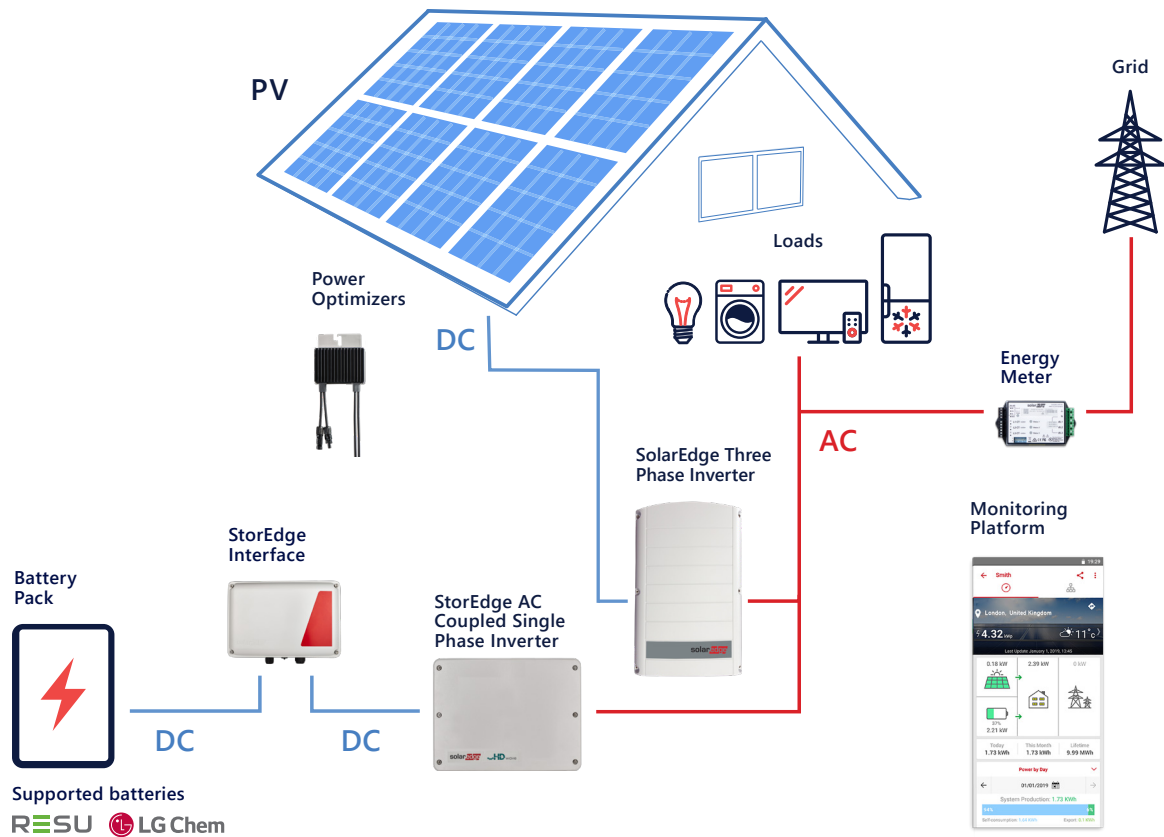


STOREDGE™

Upgrade existing PV systems to StorEdge™

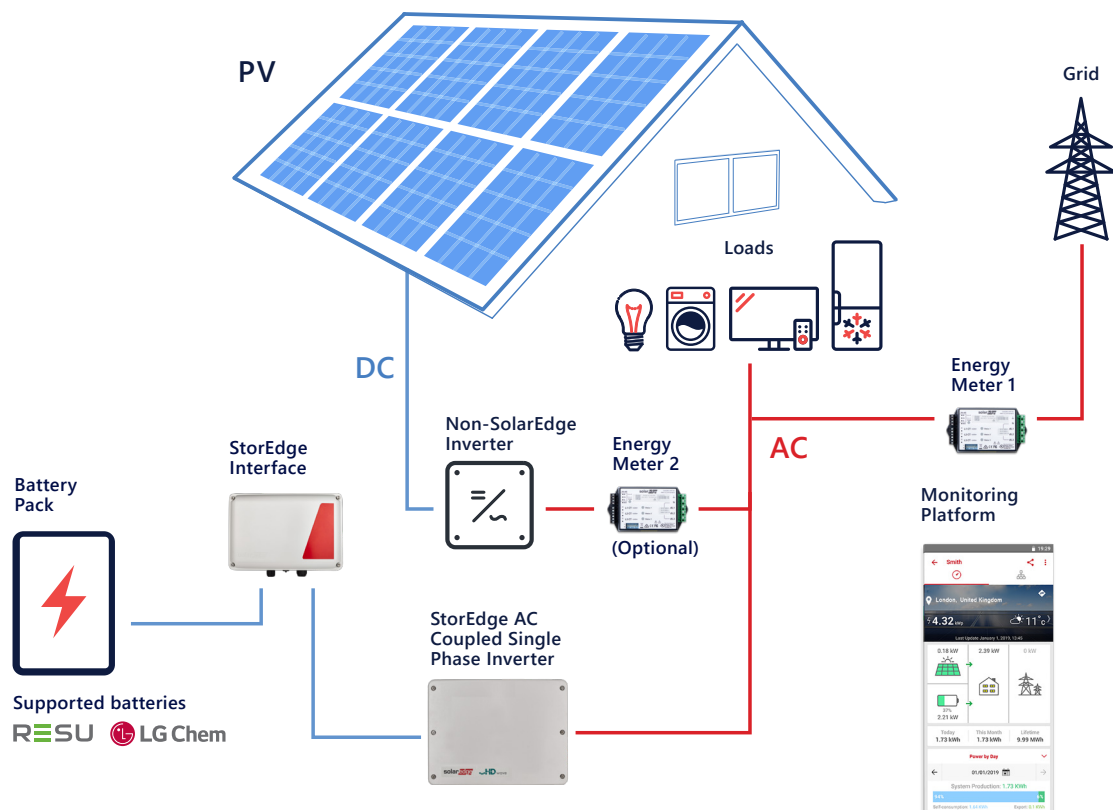
- // All the benefits of HD-Wave Technology: record-breaking efficiency, extremely small, lightweight and easy to install, and high reliability
- // Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- // Specially designed to work side by side with SolarEdge Three Phase inverters and non-SolarEdge inverters
- // Compatible with the StorEdge Interfaces and selected battery vendors such as the LG Chem RESU
- // 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
- // Monitor battery status, PV inverter production, and self-consumption data for full visibility

/ 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

SE3680H, SE5000H

| | SE3680H | SE5000H | |
|--|---|--------------------------------|-----|
| APPLICABLE TO INVERTERS WITH PART NUMBER | | SEXXXXH-RWSACBXXXX | |
| 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 | % |
| ADDITIONAL FEATURES | | | |
| Supported Communication Interfaces ⁽⁴⁾ | RS485, Ethernet, ZigBee (optional), Wi-Fi (requires antenna) ⁽⁵⁾ , Cellular (optional) | | |
| Inverter Commissioning | With the SetApp mobile application using built in Wi-Fi access point for local connection | | |
| 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 | 7.8 | 9 | kg |
| Cooling | Natural Convection | | |
| Noise | <25 | | dBA |
| Operating Temperature Range | -40 to +60 ⁽⁶⁾ | | °C |
| 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) 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) Wi-Fi connectivity requires an external antenna. For more information refer to: <https://www.solaredge.com/sites/default/files/se-wifi-zigbee-antenna-datasheet.pdf>

(6) De-rating from 50°C. For power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf>