



StorEdge™ AC Coupled Inverter

SE3500



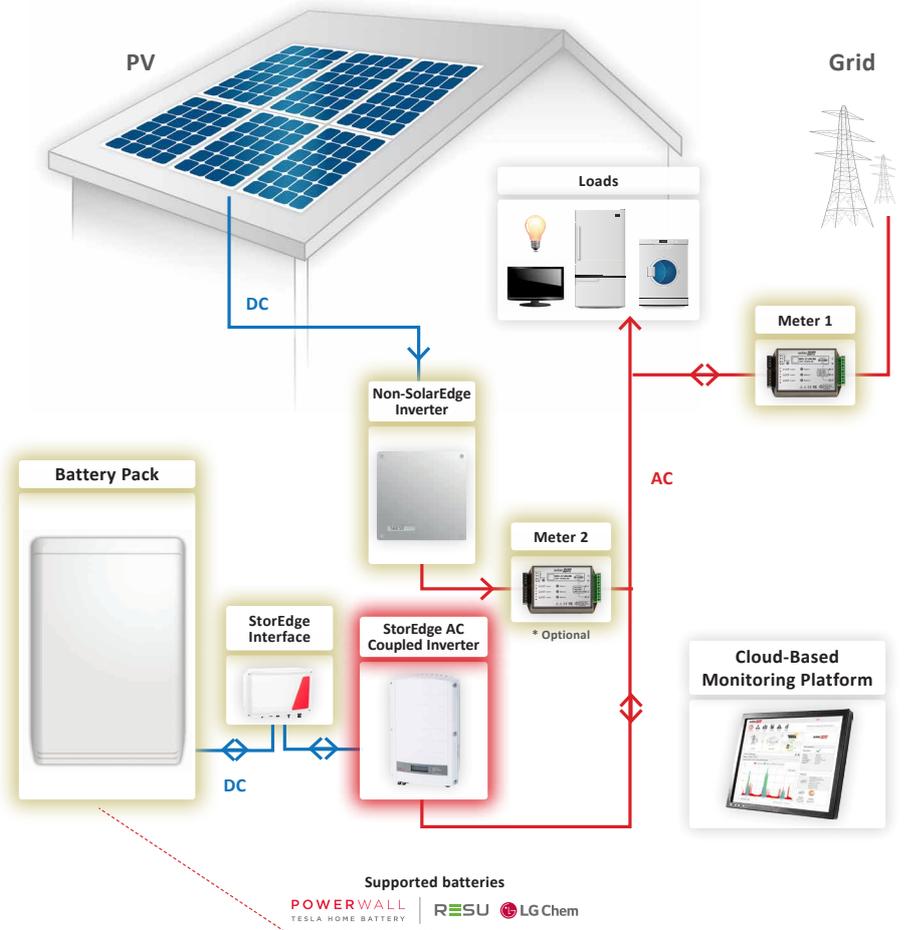
STOREDGE™

Upgrade existing PV systems to StorEdge™

- Specially designed to work side by side with three-phase SolarEdge inverters and non-SolarEdge inverters
- Compatible with the SolarEdge StorEdge Interface and selected battery vendors such as the Tesla Powerwall and 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 Inverter does not work with power optimizers or as a standard solar PV inverter

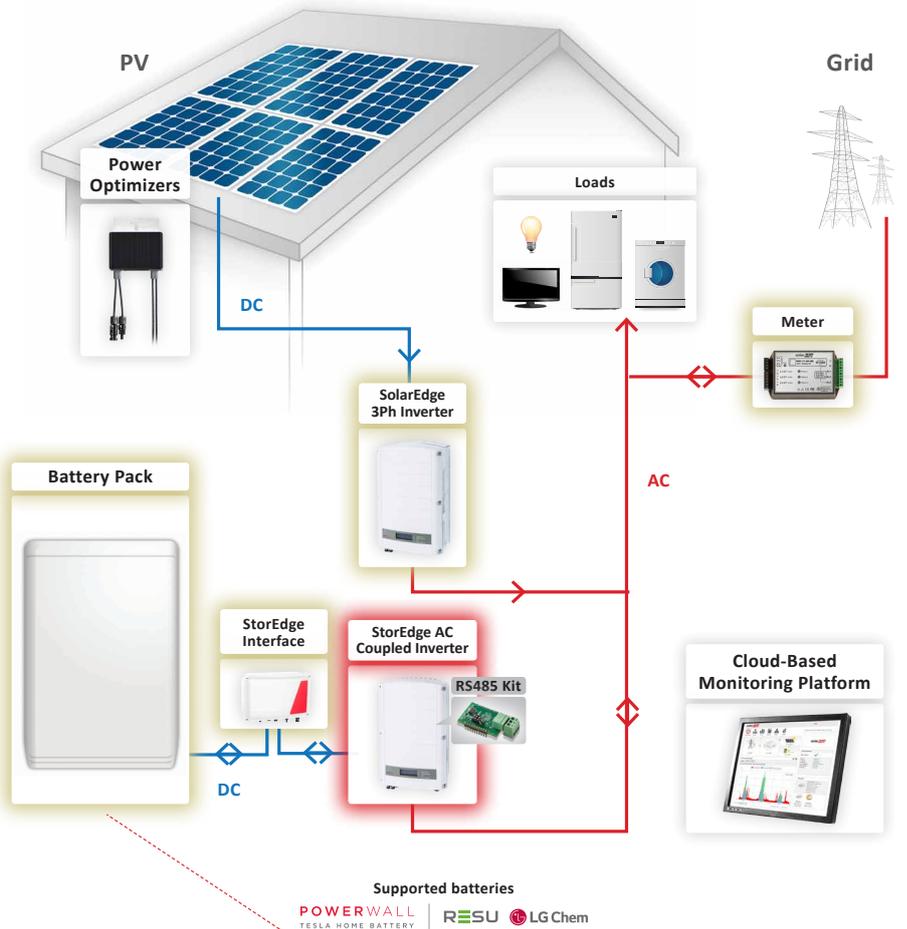


StorEdge AC Coupled Inverter with Non-SolarEdge Inverter



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

StorEdge AC Coupled Inverter with Three Phase SolarEdge Inverter



Note: The StorEdge AC Coupled Inverter does not work with power optimizers or as a standard solar PV inverter

SE3500		
OUTPUT		
Rated AC Power Output	3500 ⁽¹⁾	VA
Maximum AC Power Output	3500 ⁽¹⁾	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	19.5	A
Residual Current Detector / Residual Current Step Detector	300 / 30	mA
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes	
INPUT		
Battery	Tesla Powerwall Home Battery or LG Chem RESU	W
Transformer-less, Ungrounded	Yes	
Maximum Input Voltage	500	Vdc
Nominal DC Input Voltage	400	Vdc
Maximum Input Current	13.5	Adc
Reverse-Polarity Protection	Yes	
Ground-Fault Isolation Detection	600kΩ Sensitivity	
Maximum Inverter Efficiency	97.6	%
European Weighted Efficiency	97.5	%
Nighttime Power Consumption	< 2.5	W
ADDITIONAL FEATURES		
Supported Communication Interfaces ⁽²⁾	RS485, Ethernet, ZigBee (optional), Wi-Fi (optional), Built-in GSM (optional)	
STANDARD COMPLIANCE		
Safety	IEC-62103 (EN50178), IEC-62109	
Grid Connection Standards	VDE 0126-1-1, VDE-AR-N-4105, AS-4777, RD-1663, DK 5940	
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	Cable Gland - diameter 9-16	mm
DC Input to battery	1 MC4 pair	
Dimensions (HxWxD)	540 x 315 x 172	mm
Weight	20.2	kg
Cooling	Natural Convection	
Noise	<25	dBA
Operating Temperature Range	-20 - +50 (M40 version -40 - +50)	°C
Protection Rating	IP65 - Outdoor and Indoor	
Bracket Mounted (Bracket Provided)		

⁽¹⁾ Limited to 3300kVA by the battery

⁽²⁾ Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: <http://www.solaredge.com/groups/support/downloads>

