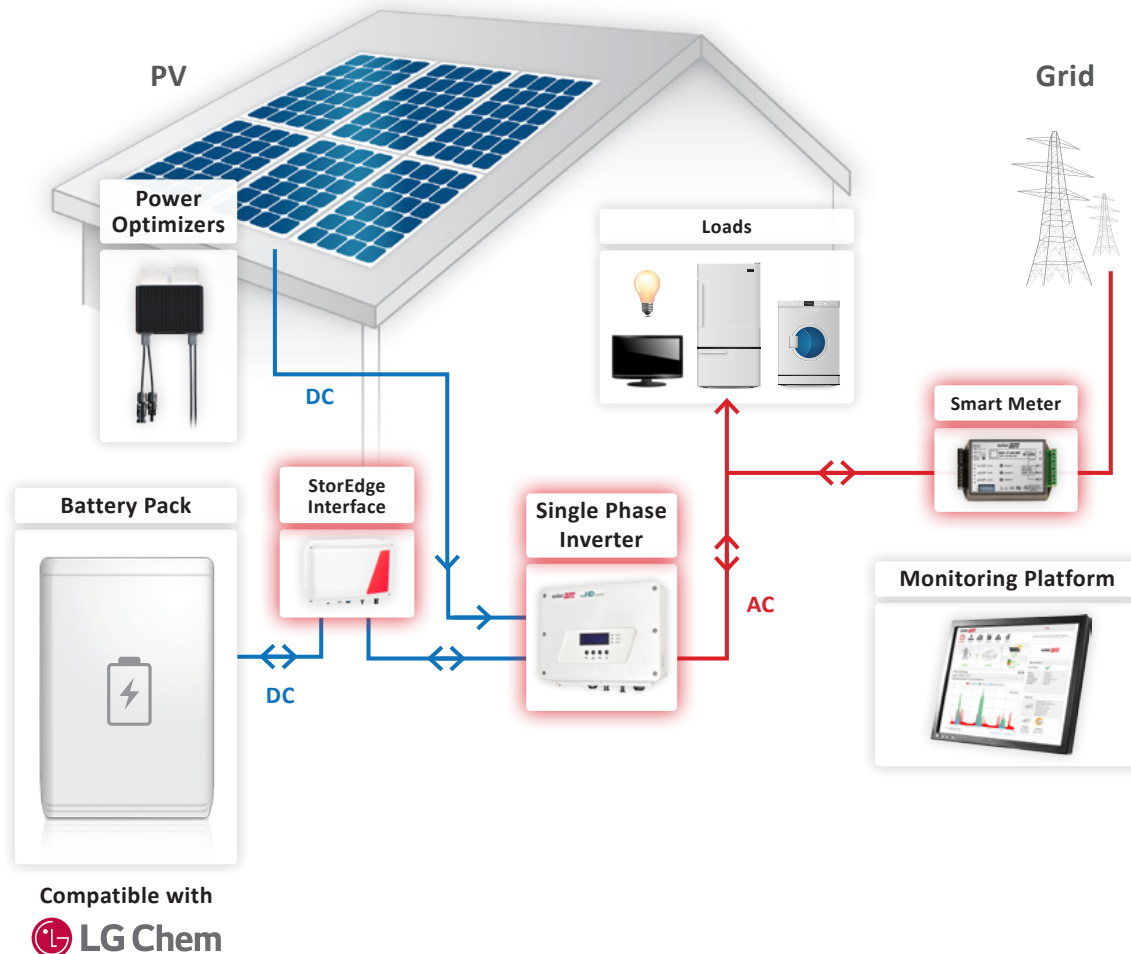


# StorEdge™: Optimizing Self-Consumption

solar**edge**

SolarEdge's StorEdge DC coupled storage solution allows homeowners to maximize self-consumption and to increase energy independence. Unused PV power is stored in a battery and used when needed to maximize self-consumption. The solution is based on a single inverter for both PV and storage. Existing SolarEdge systems can be upgraded to the StorEdge solution.



## 1 More Energy

Module-level power optimization for more power harvesting

DC coupled solution allows high system efficiency

PV power is stored directly in the battery

No additional conversions from AC to DC and back to AC

## 2 Simple Design & Installation

A single inverter for both PV and on-grid storage

Outdoor installation allows flexibility in battery location

No special wires are required → utilizes the same PV cables

No high voltage during installation and maintenance when the grid is shut down

## 3 Enhanced Safety

PV array and battery voltage designed to reduce to safe voltage upon AC shut down

Compliance with VDE 2100-712

## 4 Full Visibility & Easy Maintenance

Monitor the battery status, PV production, and self-consumption data

Smarter energy consumption to reduce electricity bills

Remote diagnostics

Remote firmware upgrades to both inverter & battery

The SolarEdge StorEdge solution is based on the Single Phase Inverter with HD-Wave Technology, and the Energy Meter with Modbus Connection. It connects to the battery via the StorEdge Interface.



### Single Phase Inverter & Power Optimizer

The inverter manages battery and system energy, in addition to its functionality as a PV inverter

The power optimizer connects to a PV panel for more energy, high visibility monitoring, and DC safety



### StorEdge Interface

Simple installation and connectivity

Designed to eliminate DC voltage and current during installation, maintenance, or firefighting



### Energy Meter with Modbus Connection & Current Transformers

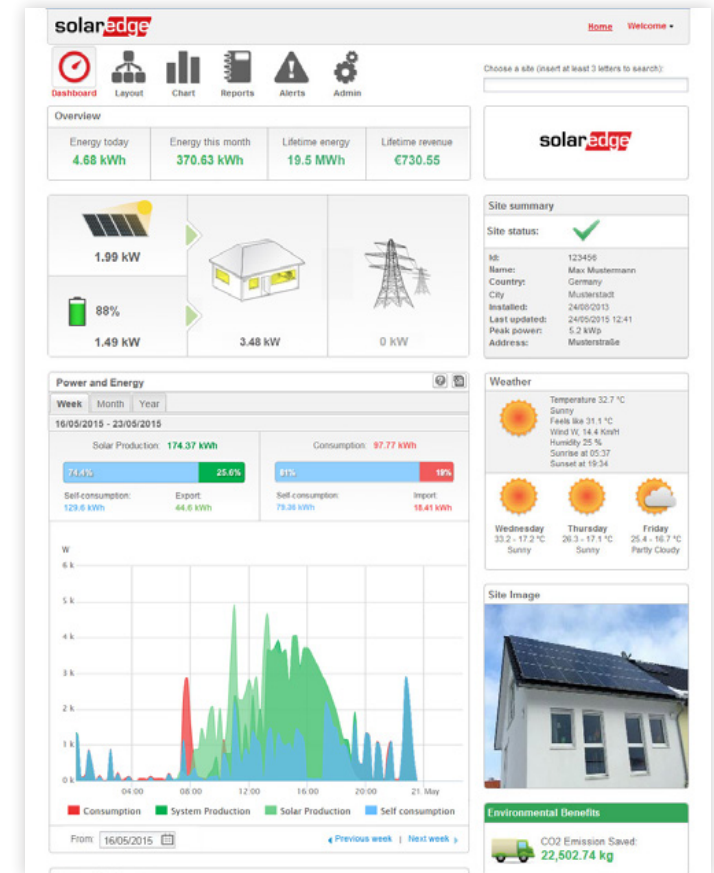
For production and consumption readings

The Energy Meter is required for self-consumption management



### Battery Pack

Compatible with DC coupled, high-voltage and high-efficiency batteries from LG Chem



Dashboard from the SolarEdge monitoring platform