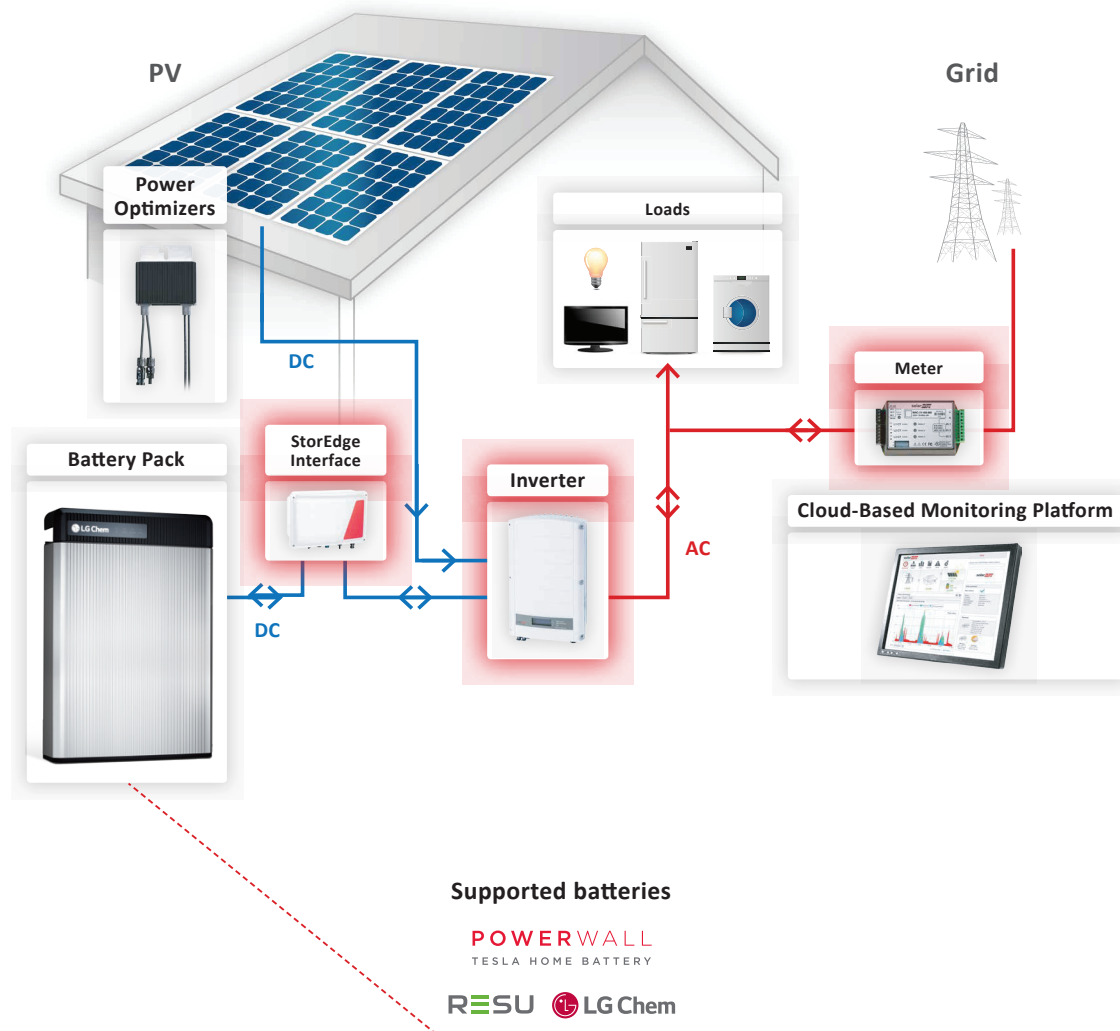


# StorEdge™: Optimizing Self-Consumption



SolarEdge's StorEdge DC coupled storage solution allows homeowners to maximize self-consumption and to enable 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

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

Module-level power optimization for more power harvesting

## 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 & current during installation and maintenance

## 3 Enhanced Safety

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

Compliance with VDE 2100-712

## 4 Easy Maintenance & Full Visibility

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

Smarter energy consumption to reduce electricity bills

Remote access to inverter/battery software

The SolarEdge StorEdge solution is based on the SolarEdge inverter and the SolarEdge Modbus Meter and connects to the battery via the StorEdge Interface.



## SolarEdge Single Phase Inverter

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



## StorEdge Interface

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



## SolarEdge Modbus Meter

For production and consumption readings  
  
Meter is required for self-consumption management

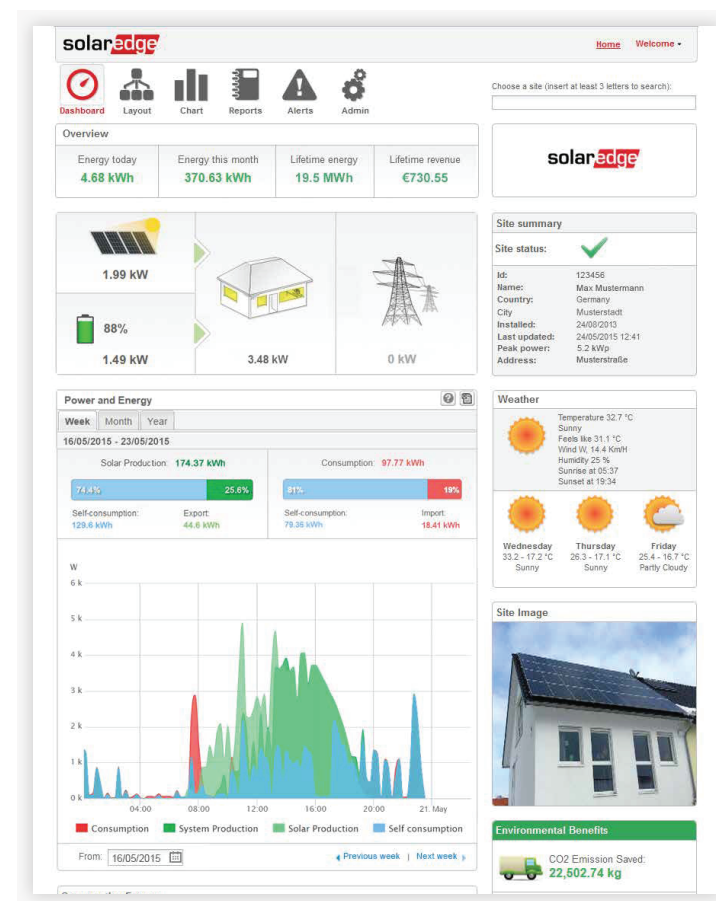


## Battery Pack

Compatible with DC coupled, high-voltage and high-efficiency batteries from selected vendors including the Tesla Powerwall Home Battery and LG Chem RESU

**POWERWALL**  
TESLA HOME BATTERY

**RESU** **LG Chem**



Dashboard from the SolarEdge cloud-based monitoring platform