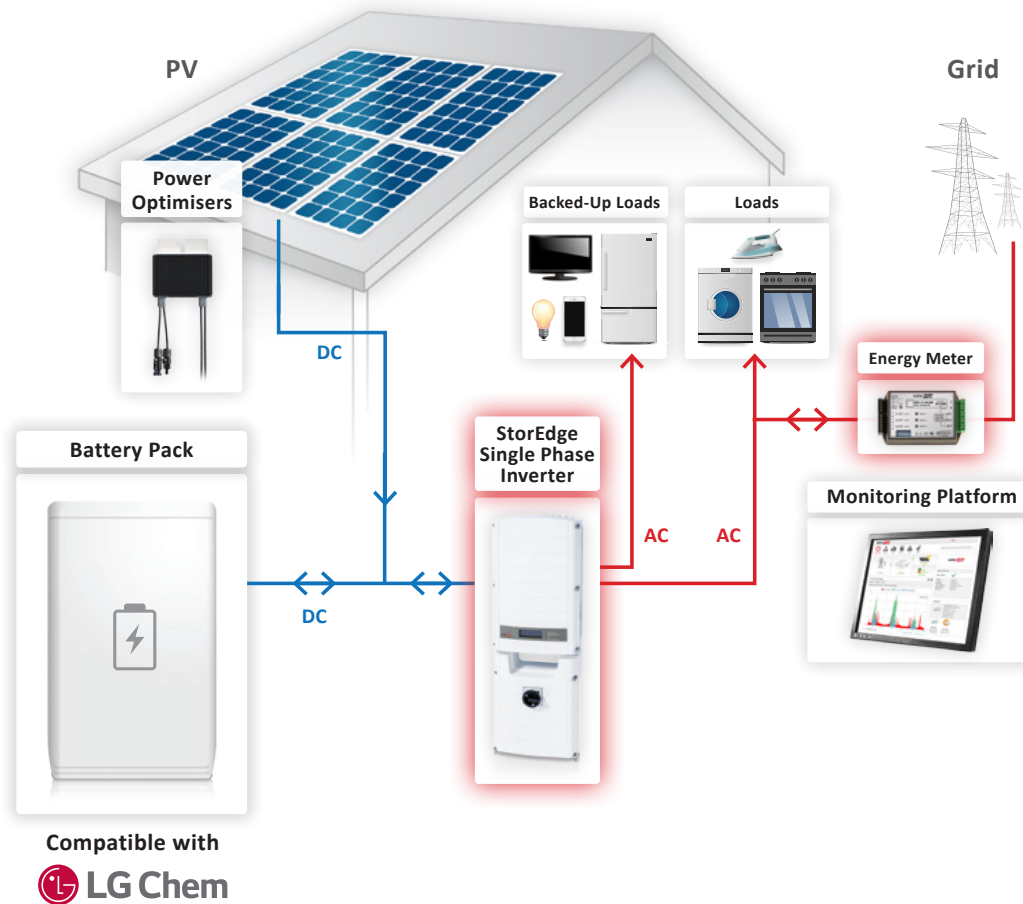


# StorEdge™: Optimising Self-Consumption and Backup Power

solar**edge**

SolarEdge's StorEdge DC coupled storage solution automatically provides homeowners with backup power in case of grid interruption, and allows homeowners to maximise self-consumption and to increase their energy independence. Unused PV power is stored in a battery and used during a power outage or when PV production is insufficient. The solution is based on a single inverter for PV, storage and backup power.



## More Energy

Panel-level power optimisation 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



## Simple Design & Installation

A single inverter for PV, on-grid storage and backup power

Inverter includes all hardware required for automatic disconnection from the grid when needed

Outdoor installation allows flexibility in battery location

No special wires are required → utilises the same PV cables

No high voltage & current during installation and maintenance



## Enhanced Safety

PV array and battery voltage designed to reduce to safe voltage upon AC shutdown, when not in backup mode

Compliance with VDE 2100-712



## Full Visibility & Easy Maintenance

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

Smarter energy consumption to reduce electricity bills

Monitor battery energy levels and remaining hours of backup power

Remote diagnostics

Remote firmware upgrades to both inverter & battery

The SolarEdge StorEdge solution is based on the StorEdge Single Phase Inverter, and the Energy Meter with Modbus Connection.



### StorEdge Single Phase Inverter & Power Optimiser

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

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



### Energy Meter with Modbus Connection & Current Transformers

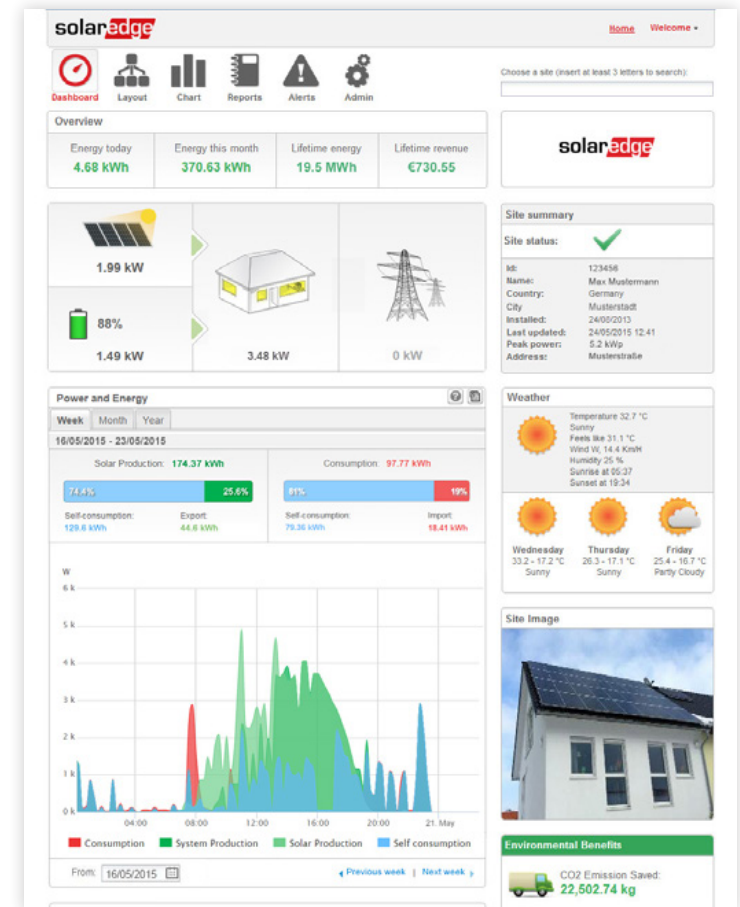
For production and consumption readings

The Energy Meter is not required for a backup-only solution



### Battery Pack

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



Dashboard from the SolarEdge monitoring platform