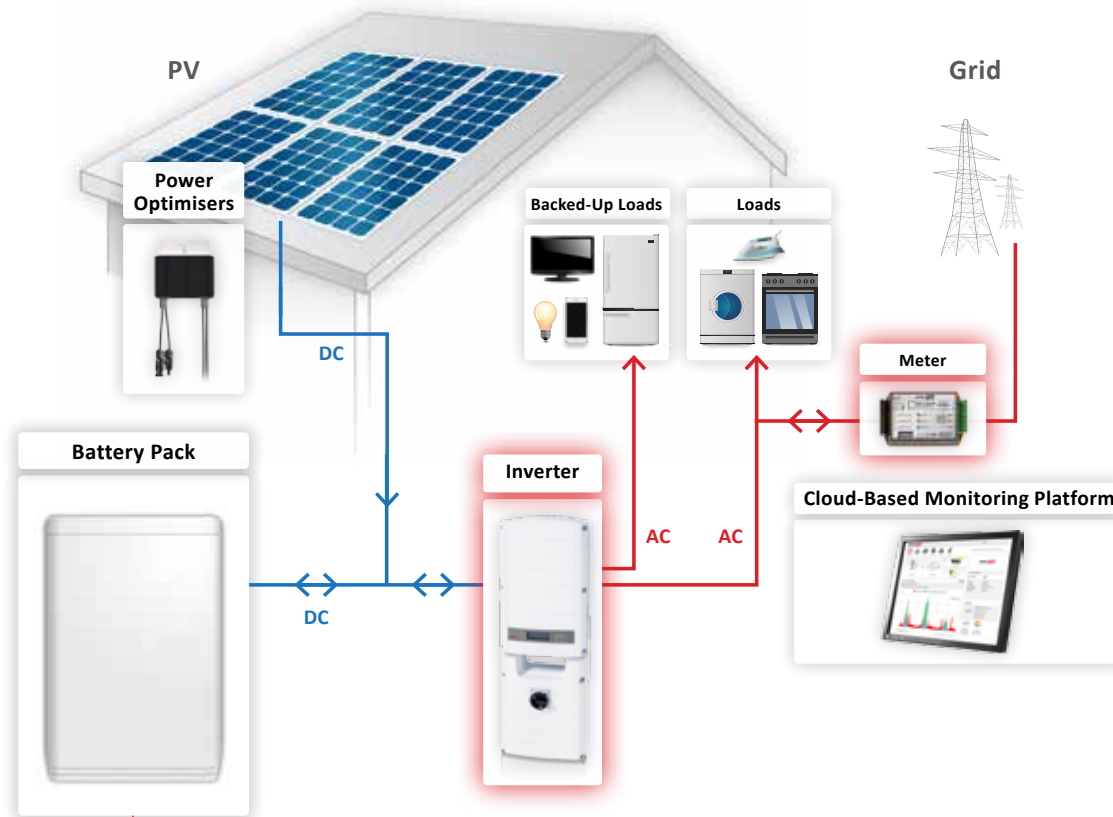


StorEdge™: Optimising Self-Consumption and Backup Power

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 enable 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.



Supported Battery Vendors



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

Panel-level power optimisation for more power harvesting



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



Easy Maintenance & Full Visibility

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 access to inverter/battery software

The SolarEdge StorEdge solution is based on the SolarEdge Single Phase StorEdge Inverter and the SolarEdge Modbus Meter.



SolarEdge Single Phase StorEdge Inverter

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



SolarEdge Modbus Meter

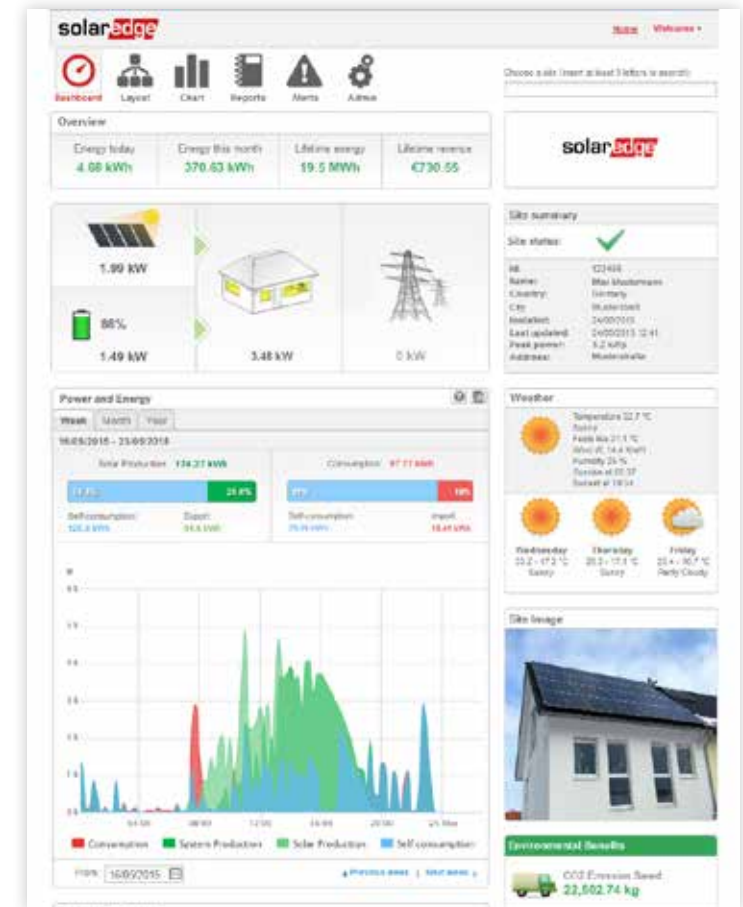
For production and consumption readings

Meter is not required for a backup-only solution



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



Dashboard from the SolarEdge cloud-based monitoring platform