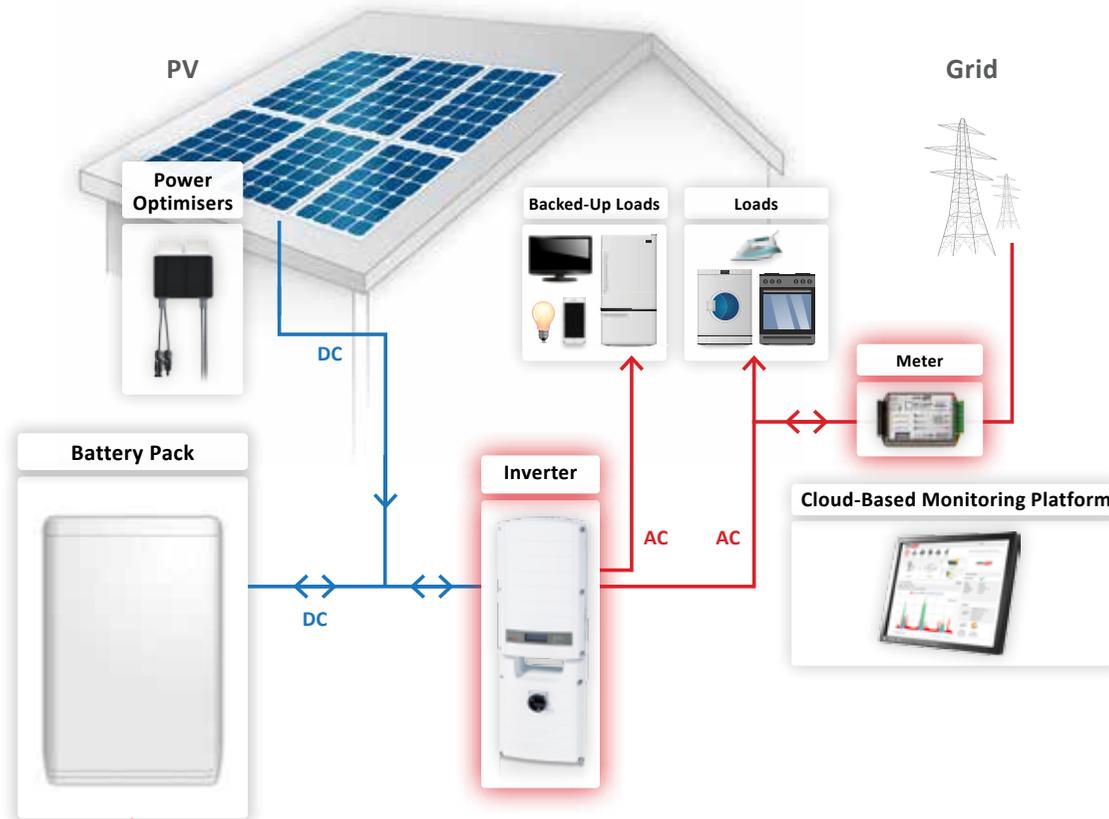


# StorEdge™: Optimising Self-Consumption and Backup Power

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

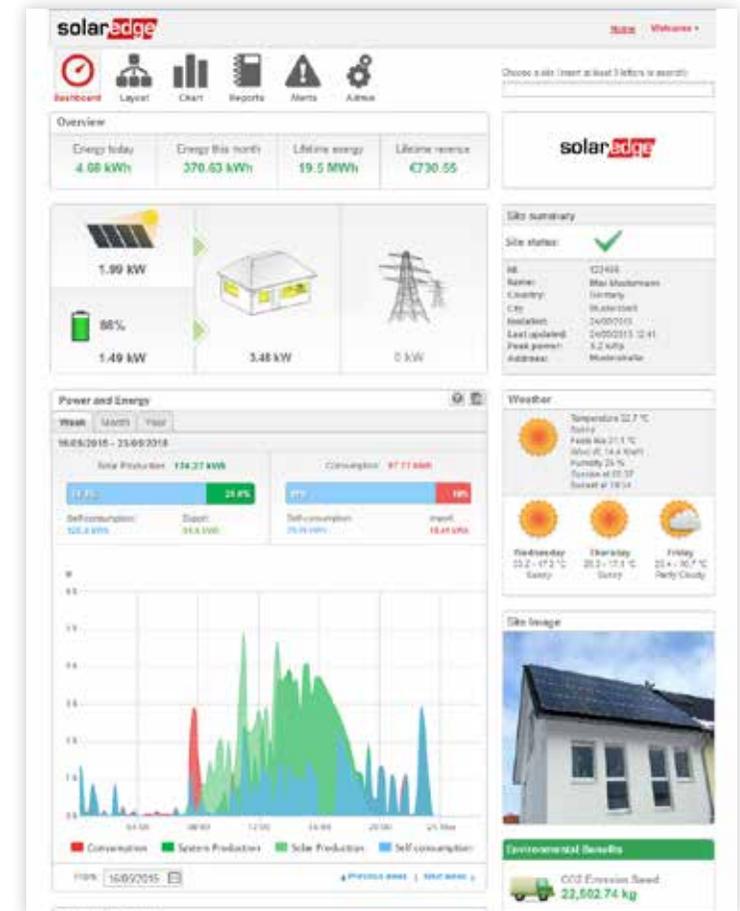
For production and consumption readings

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