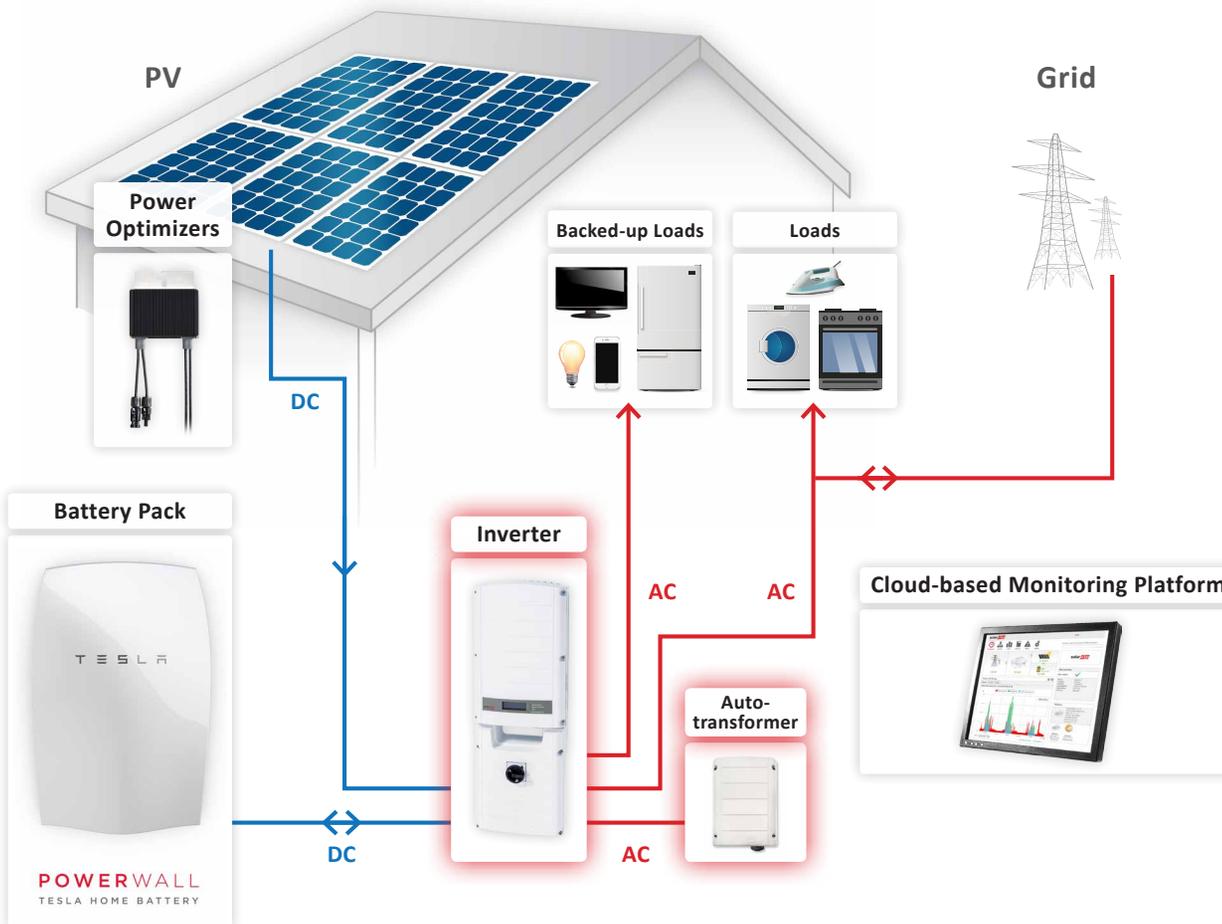


# StorEdge™: Backup Power and On-Grid PV Solution



StorEdge™ is SolarEdge's all-in-one solution that uses a single on-grid DC optimized inverter to manage and monitor both solar generation and energy storage. Homeowners are automatically provided with backup power in the event of grid interruption to power pre-selected loads. Solar energy can be stored in a battery for on-grid applications such as meeting export limitations, offering demand response and peak shaving, and performing time of use shifting for reduced electric bills.



## 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

Module-level power optimization for more power harvesting

## 2 Simple Design & Installation

A single inverter for grid-tied solar, backup power, and on-grid applications

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 → utilize the same PV cables

No high voltage or current during installation and maintenance

## 3 Enhanced Safety

Integrated Rapid Shutdown functionality

Low current during operation

## 4 Full Visibility

Monitor the battery status, PV production, and on-grid application data

Smarter energy consumption to reduce electricity bill

Monitor remaining hours of backup power energy

Easy access to the inverter during maintenance (outdoor installation)

The StorEdge™ solution is based on the SolarEdge StorEdge™ Inverter and Auto-transformer and is compatible with the Tesla home battery, the Powerwall



## SolarEdge StorEdge™ Inverter

Manages and monitors battery and system energy, in addition to its traditional functionality as a DC-optimized PV inverter



## Auto-transformer

Connects to StorEdge™ inverter to enable split phase balancing during electrical outage applications



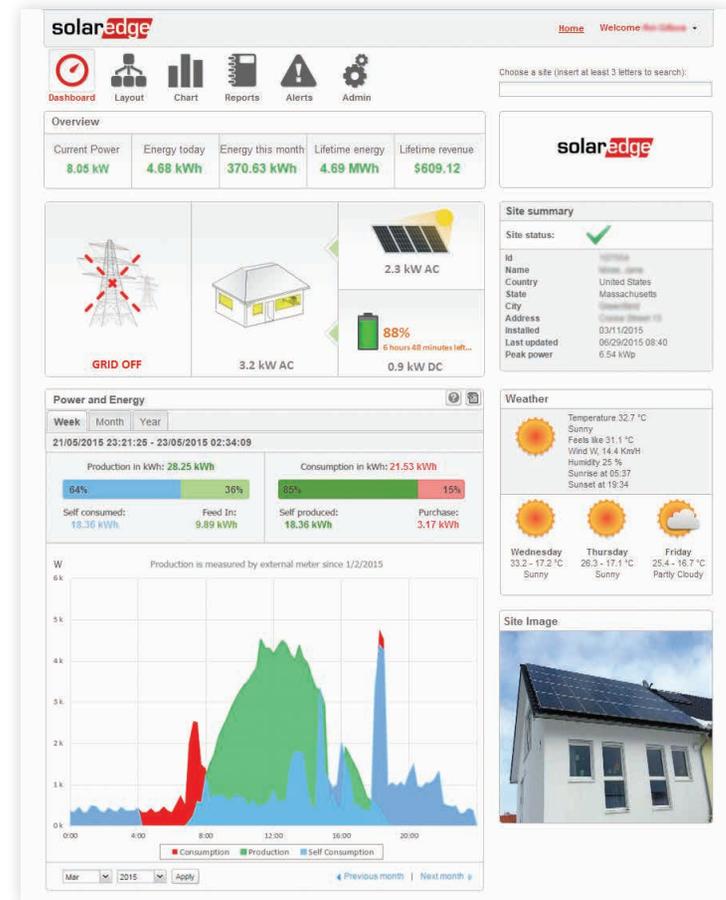
## Tesla Powerwall Home Battery

For high-voltage, high-efficiency DC coupled battery applications



## SolarEdge Electricity Meter (Optional)

Connects to SolarEdge inverter to supply production/consumption readings for traditional on-grid applications such as export limitation, demand response and peak shaving, and time of use shifting



Dashboard from the SolarEdge cloud-based monitoring platform