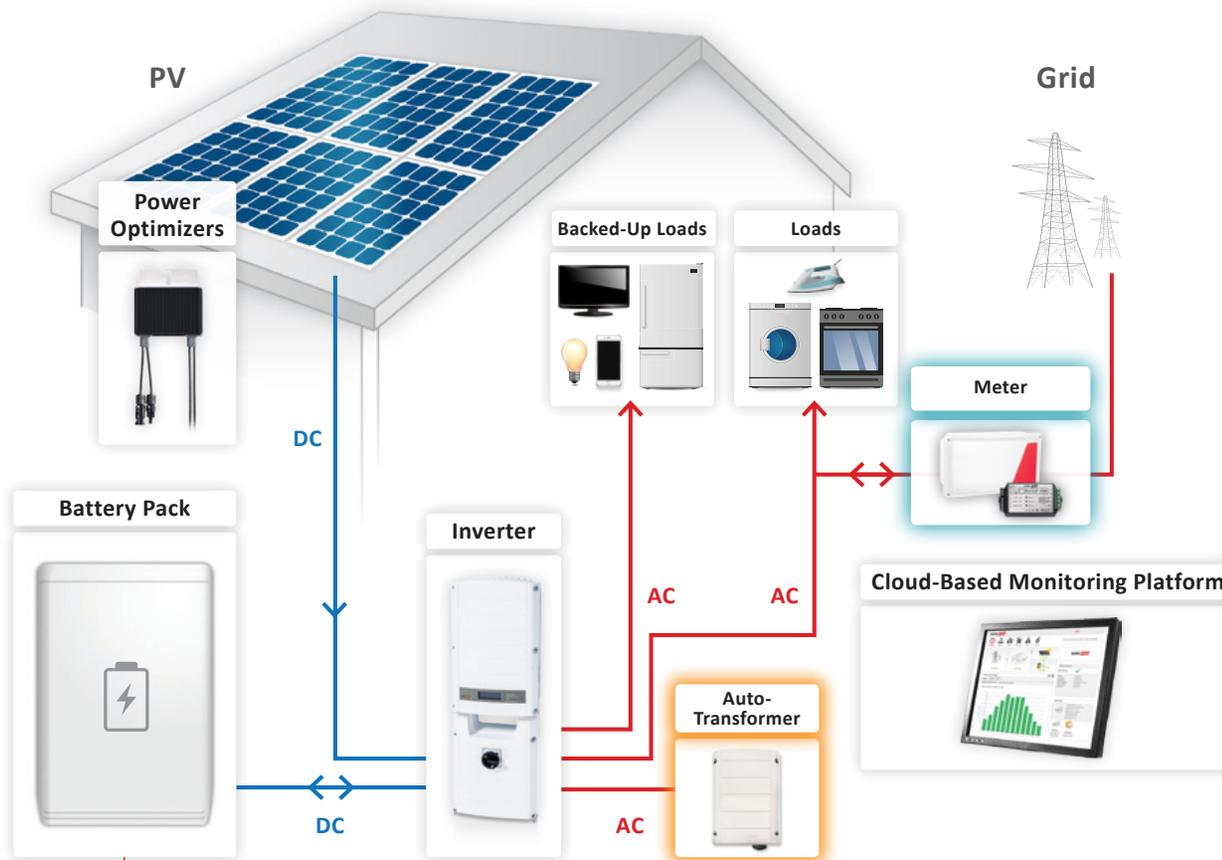


# StorEdge™: Backup Power and Self-Consumption



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

Module-level power optimization for more power harvesting

AC or DC coupled solution allows high system efficiency and maximum flexibility

PV power is stored directly in the battery

No additional conversions from AC to DC

## 2 Simple Design & Installation

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

Inverter and auto-transformer enable automatic disconnection from the grid

Outdoor installation allows flexibility in battery location

No special wires are required → utilize the same PV cables

## 3 Enhanced Safety

Integrated Rapid Shutdown functionality

Low current during operation

No high voltage or current during installation and maintenance

## 4 Full Visibility

Monitor the battery status, PV production and self-consumption

Smarter energy consumption to reduce electricity bill

Monitor remaining hours of backup energy

Easy access to the inverter during maintenance (outdoor installation)



The StorEdge solution is based on the SolarEdge StorEdge™ Inverter, Auto-transformer and Electricity Meter.



### SolarEdge StorEdge Inverter

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



### Auto-Transformer (Optional)

Only needed for backup power applications. Connects to StorEdge inverter to enable split phase balancing for 120V loads



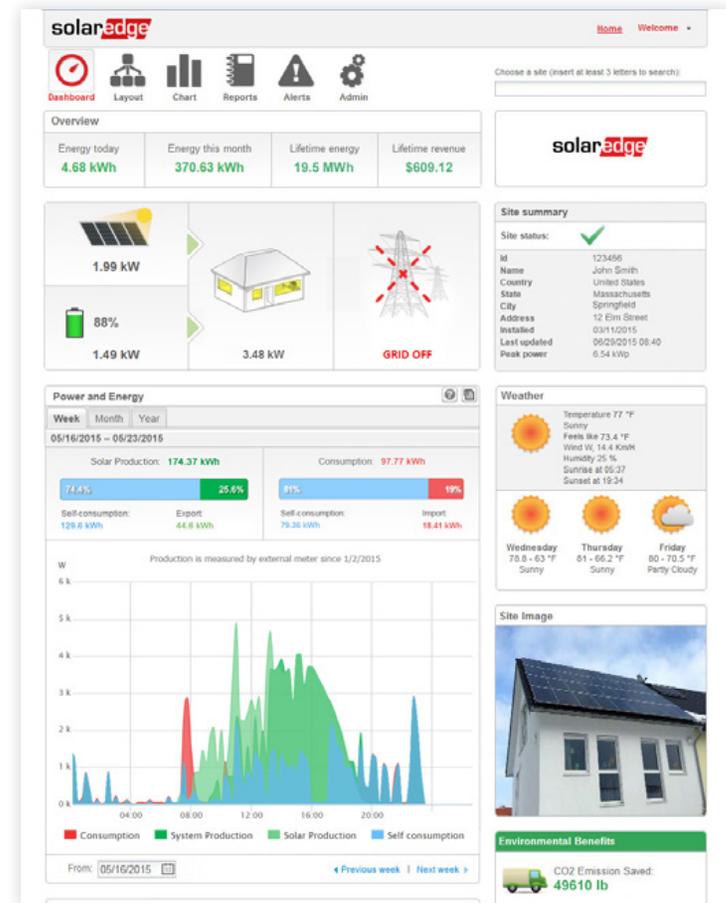
### Battery Pack

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



### SolarEdge Electricity Meter (Optional)

Only needed for on-grid applications such as export limitation, demand response and peak shaving, and time of use shifting. Integrates with the SolarEdge inverter and monitoring platform



Dashboard from the SolarEdge cloud-based monitoring platform