



SolarEdge Home Battery 48V – Now Available for Small Commercial PV Sites

Expand your commercial PV portfolio with a DC-coupled battery. Allow business owners to store more energy for when it's needed most

Introducing the latest addition to the SolarEdge Commercial PV portfolio, the SolarEdge Battery 48V - our DC-coupled battery technology that you can now incorporate into your small-scale commercial designs.

This on-grid storage solution can enable system owners to reduce their electricity costs by storing excess solar production in the battery for maximizing self consumption and by boosting their resilience to volatile electricity prices.



/ Seamless integration with SolarEdge's commercial PV ecosystem

SolarEdge's DC-coupled Home Battery 48V offers business owners high overall system performance with up to 95.4% round-trip efficiency and a long-term warranty. With dust and water protection, it's suitable for outdoor as well as indoor installations. Working together with our SolarEdge Home Hub Inverter - Three Phase, a maximum of five batteries can be deployed to increase storage capacity up to 23kWh per inverter. One site can deploy up to three inverters for even more scalability, savings, and energy independence.

Supporting new and existing commercial installations, the combined 48V battery and Hub Inverter solution seamlessly connects to our existing range of SolarEdge Three Phase and Synergy Technology inverters.

From roof to battery, SolarEdge's Safety by Design brings built-in capabilities such as emergency voltage shutdown and an array of multi-point temperature sensors, to mitigate the risk of battery overheating.

/ Harvest More Energy with DC-Coupled Technology

All PV modules generate DC electricity and batteries store this energy as DC electricity, as well. With AC-coupled systems, the DC energy is converted three times: from DC to AC by the inverter; from AC back to DC for storage, and then, finally, back to AC for use at the facility. This can cause unnecessary energy loss. But with the SolarEdge DC-coupled system, there's no need for extra conversions – the DC electricity is converted only once for use in the facility. This energy efficient process ensures that more of the energy produced is available for use.



Store More

Save potentially clipped energy that is produced by an oversized system and perform fewer energy conversions than AC batteries, for greater overall energy efficiency



Maximize Self-Consumption

By storing excess solar production in a battery during the day for use when needed, business owners can reduce grid dependency for increased energy independence and electricity savings



Leverage Time of Use Rates

Optimize energy consumption for maximum savings by supporting dynamic pricing. Enable Time of Use mode to charge the battery when rates are low, and discharge from the battery when rates are high



One Vendor

A trusted solar energy leader for your PV solutions and warranties, providing easier servicing and support, as well as monitoring and control of PV and storage from a single app

About SolarEdge

SolarEdge is a global leader in smart energy, delivering innovative commercial and residential solutions that power our lives and drive future progress. Leveraging world-class engineering and worldwide experience, SolarEdge developed a ground-breaking intelligent inverter solution that changed the way power is harvested and managed in photovoltaic (PV) systems. Over 50% of Fortune 100 companies have SolarEdge technology on their rooftops and the company (SEDG) is traded on Nasdaq.