

SolarInnovate Energy Solutions

Onsite Energy Solar Charging Panel Installation

Home Energy Storage (Stackble system)



High Efficiency



Easy installation



Safe and Reliable



Perfect
Compatibility

Product Introduction

- Scalable from 10 kWh to 50 kWh
- Self-Consumption Optimization
- Integrated with inverter to avoid the compatibility problem

- LFP battery, safest and long cycle life
- Stackable design, effortlessly installation
- Capable of High-Powered
- Emergency-Backup and Off-Grid Function

Overview

Can on-site storage be used alongside solar PV?

If a utility restricts the exports from a facility to the grid, the use of on-site storage alongside solar PV can provide a solution to avoid costly infrastructure upgrades, thus increasing the feasibility of larger on-site PV installations.

How can on-site solar PV & energy storage improve sustainability?

To achieve sustainability goals while meeting the increasing electricity demands of electrification, organizations are pairing on-site solar PV generation with on-site energy storage. These systems, which are considered as “behind-the-meter” (BTM) systems, allow facilities to maximize the benefits of on-site renewable generation.

Does Trinity Saint David have solar panels?

In partnership with The Energy Consortium (TEC), we’ve helped the University of Wales Trinity Saint David to install solar panels on multiple rooftops, so they can generate their own renewable energy. With energy prices where they are the installation of solar PV is a cost-efficient option and supports the university’s sustainability ambitions.

What are the benefits of an on-site solar PV system?

For the scenario represented in the graph, an on-site solar PV system allows the facility to reduce the amount of electricity drawn from the grid during the middle of the day. Increasing the amount of solar PV production on-site can provide additional cost and emission reductions and resiliency benefits for facilities.

Can solar panels be installed on a roof?

Solar panels can be installed on the majority of roof structures and materials. Our partners will carry out detailed structural surveys to enable them to maximise the onsite installation and generation, whilst protecting the integrity

of your building. A solar system can be constructed on available land space.

Should solar PV production be reduced on-site?

Increasing the amount of solar PV production on-site can provide additional cost and emission reductions and resiliency benefits for facilities. However, the additional generation that can result from larger systems during peak daylight hours must be exported or managed through curtailment on-site.

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✓ 100KWH/215KWH

✓ LIQUID/AIR COOLING

✓ IP54/IP55

✓ BATTERY 6000 CYCLES

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