Introducing The Energy Hub Inverter

December 2021

Before We Begin

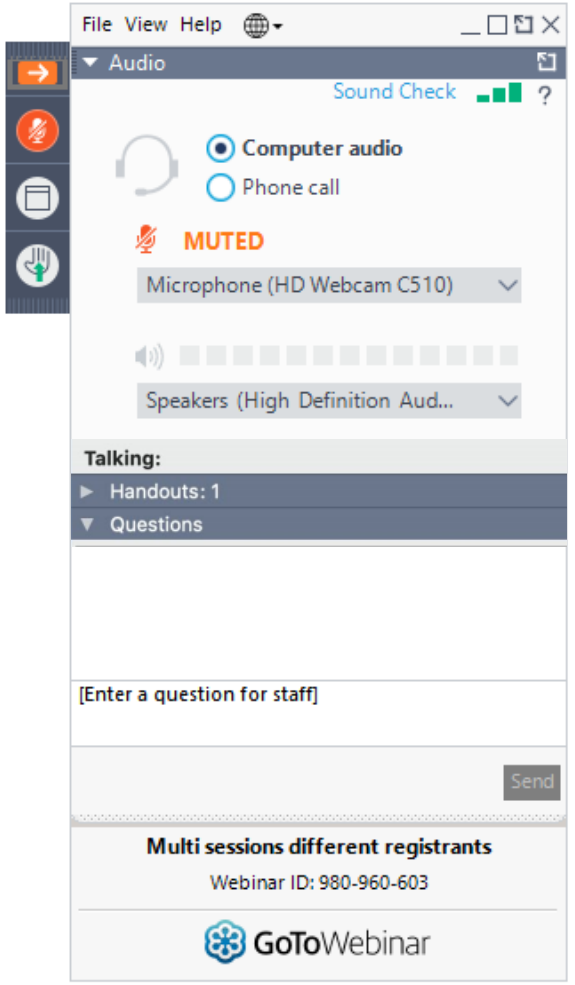
We will send you the recording

Submit your questions anytime. We'll answer them throughout the session

Please complete the survey at the end

Webinar Information

- Audio: PC or phone
- Participants on **mute**
- Submit questions
- Follow-up & Recording



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Presenters

Brent Heber

Residential Account Manager
NSW & ACT

Doug Meldrum

Strategic Accounts Manager
Australia and NZ

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Agenda

- Energy Hub Overview
- Introducing Energy Bank
- 2022 Promotions
- Quiz
- Q&A
- Survey

Our Prizes

- Quiz prizes - 3 Apple watches for the quiz winners
- Door Prize – FREE 5kW Energy Hub for one lucky attendee who will be drawn after the webinar
- The winner will be notified within the webinar follow-up email

* T&C's apply

Energy Hub Overview

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Two Choices

Energy Hub

- Flagship residential product
- Full range of capabilities & applications

Genesis

- Entry level SolarEdge inverter with battery connection
- High performance premium string alternative

Energy Hub Offers More Value

Solar only

Meter + CT

Enhancement Pack

Genesis SE5000H + 18 * Ops

CT

Energy Hub SE5000H Incl. Meter + 18 * Ops

Solar + Battery + Backup

Meter + CT

StorEdge SE5000-AUS + 18 * Ops

Backup Interface

CT

Energy Hub SE5000H Incl. Meter + 18 * Ops

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Energy Hub

The One. For All

Our most efficient, multipurpose residential inverter designed to meet every home energy need

pv magazine AWARD 2020 INVERTERS

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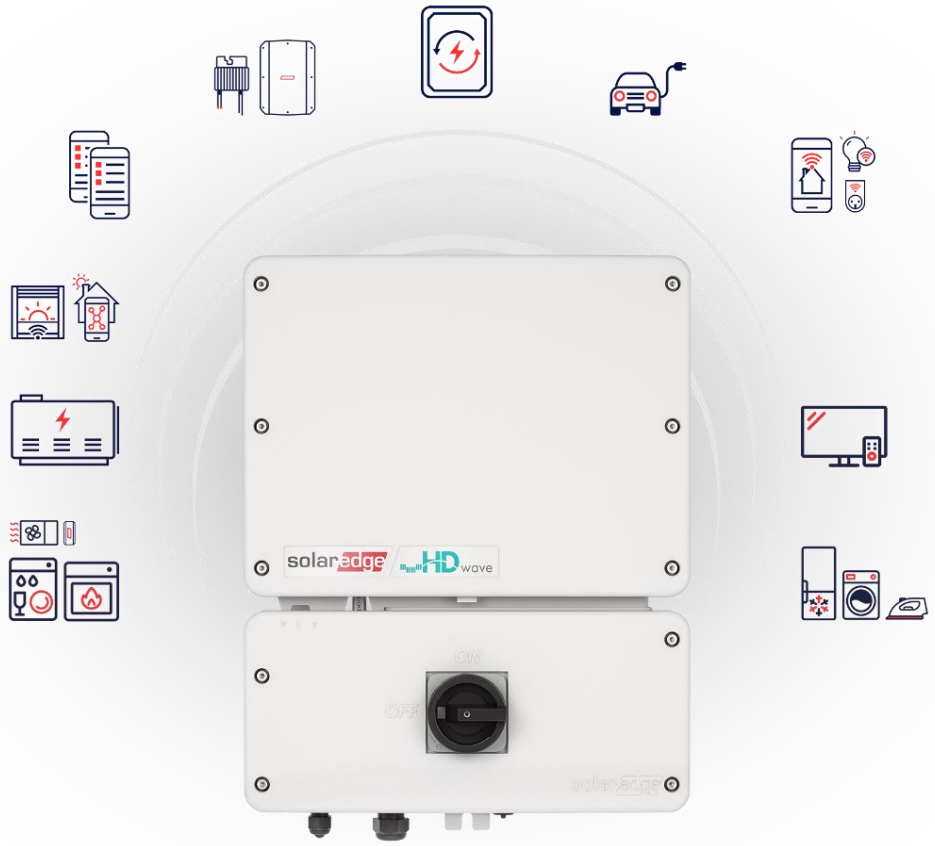
Deliver More Performance

Home Energy Manager

- Range - 3, 5, 6, 8.25 & 10kW
- In-built energy meter
- Unrivalled flexibility
- Future ready solution
- 99% weighted efficiency
- Up to 200% oversizing*



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More Revenue

Battery & Backup Ready

EV Charger Ready

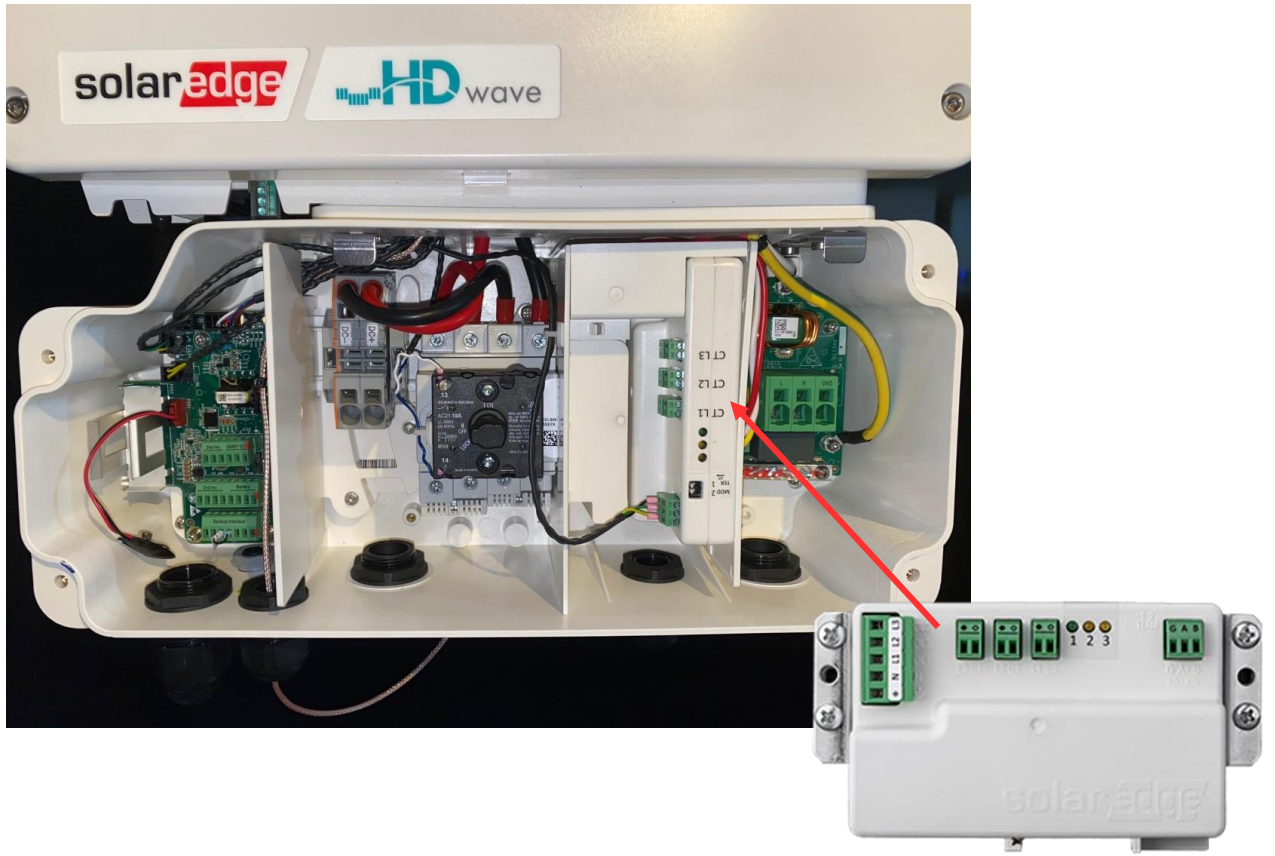
Major Appliance Control

Overseas model shown

In-Built Energy Meter

Total Visibility

- Just add a CT
- Ideal for single phase homes
- Understand your customers
- Faster, simpler installations
- Flexibility - extend CT up to 100m with CAT-5e cabling
- Supports three phase homes*



*Connected to one of the home's three phases

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Know More - Save More

Seeing is selling more with mySolarEdge

- Easily track and manage solar production, smart energy consumption and backup power
- Real-time insight into energy production
  - Keep bills low
  - Know when its time to upgrade/expand

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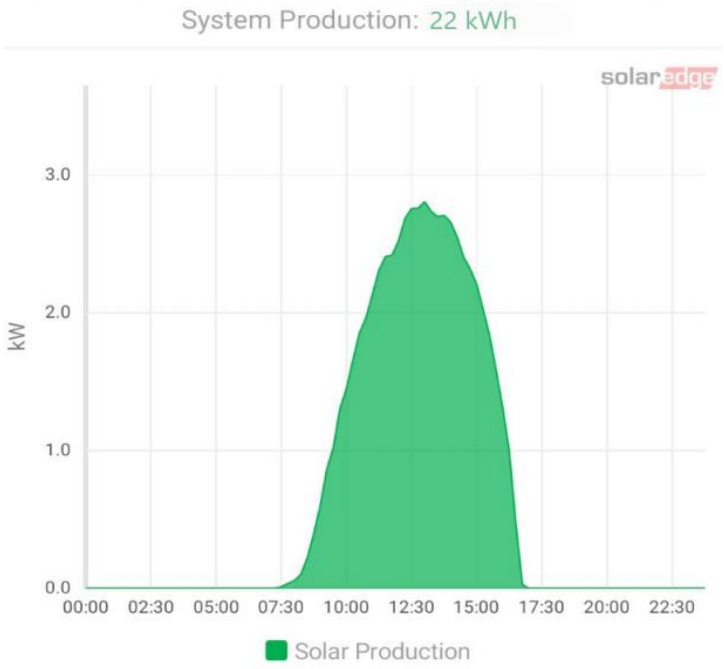
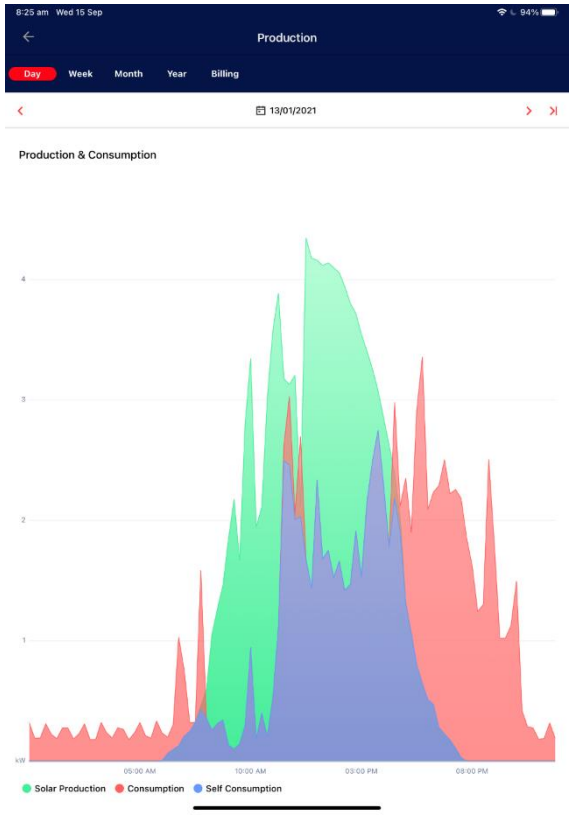
Seeing Is Selling

No Energy Meter



With Energy Meter



Battery suitability

Energy exported during the day

(can you fill it?)

+

Energy imported at night

(what needs to be stored?)

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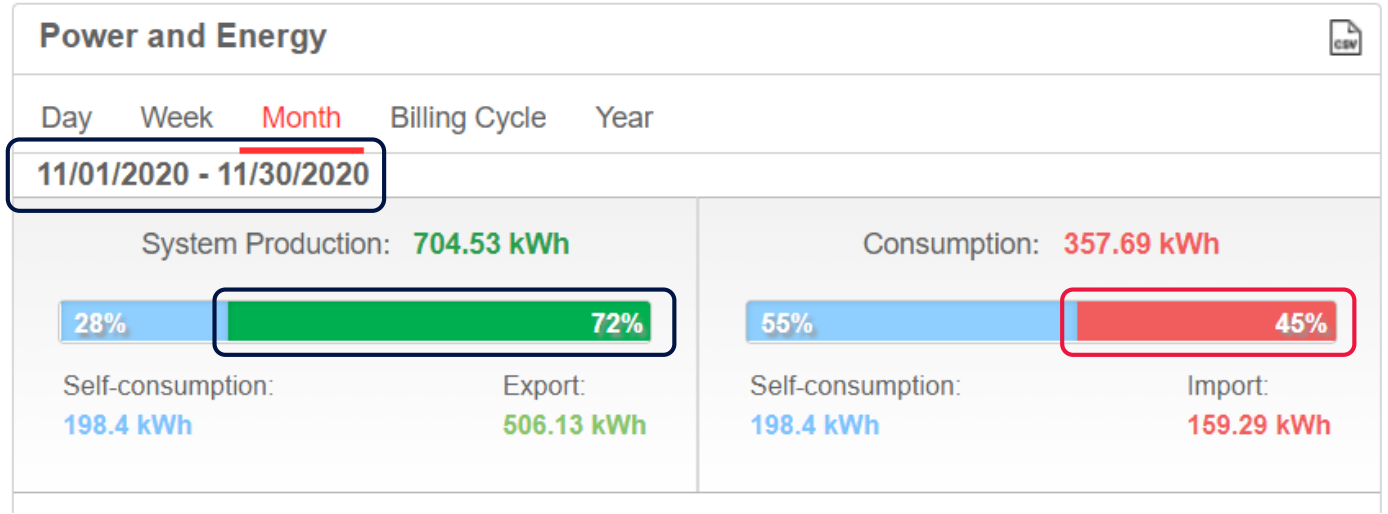
Seeing Is Selling

Calculating available energy

Peak generation month

Assess the level of daily export



16.9kWh / Day

We can fill it!

Calculating what is needed

Assess the level of daily import

5.3kWh / Day

A battery would be nice

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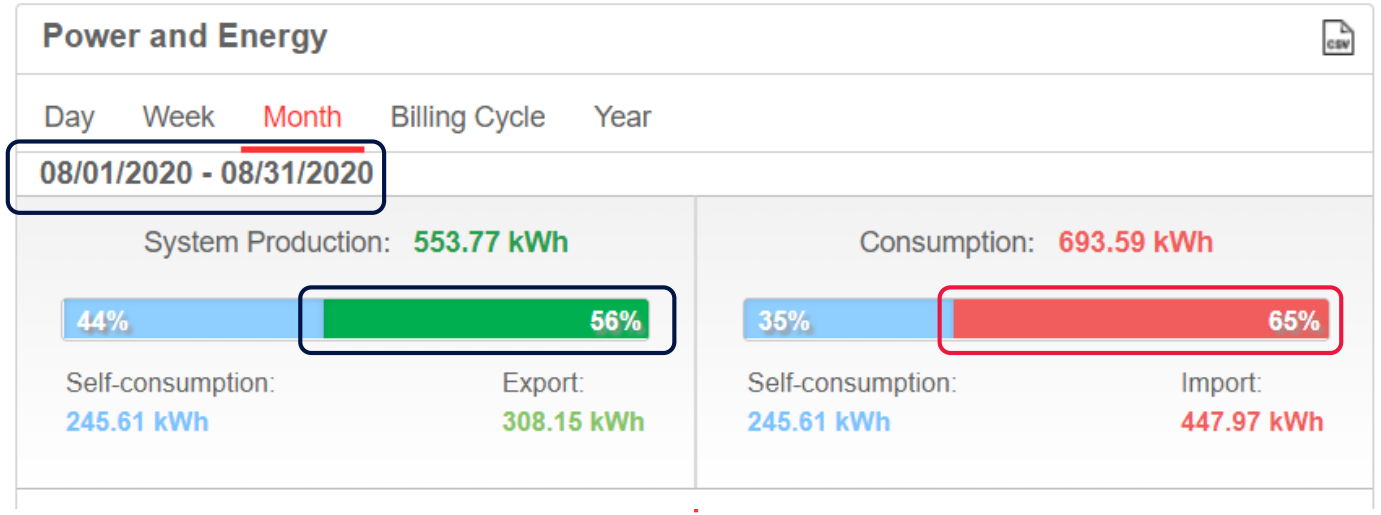
Seeing Is Selling

Calculating available energy

Lowest generation month

Assess winter & summer



10.3kWh / Day

We can still fill it…but are more are panels required?

Calculating what is needed

What's required for winter & summer?

14.9kWh / Day

A battery is needed

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Introducing Energy Bank Residential Battery

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Leading by Experience

The #1 Solar Inverter Company, trusted by more installers, homeowners and companies globally

Over 85,000 Solar + Storage Installations

- 2 Million+ Systems Monitored Worldwide
- Parallel DC coupled connection of Li-on batteries
- Retrofit existing fleet

SolarEdge Energy Bank

Seamless
Storage solution

- High overall system efficiency
- Indoor or outdoor; Wall or floor
- 10kWh Energy capacity
- 5kW Continuous power
- 7.5kW Peak power (10secs)
- 10Yr unlimited cycle warranty

More Flexible Battery Installation

- Wall or floor mount
- Indoor or outdoor installation

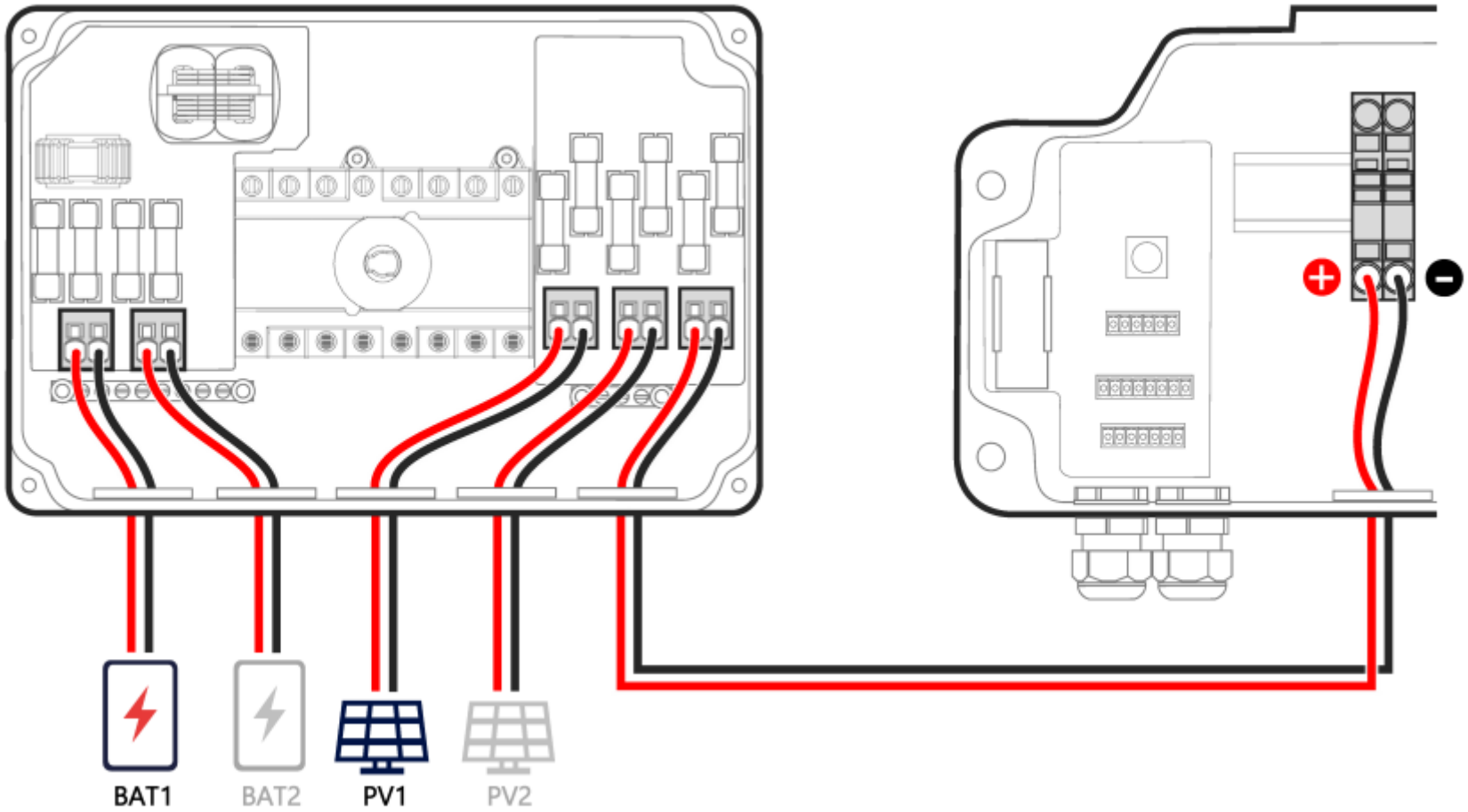
Energy Hub Connections

DC Combiner Box

- Supersedes SESTI-S4 in Q4 2021
- Compliance to AS4777.2:2020 & AS5033:2021→ DC fusing & isolation
- Parallel connection of Batteries & PV
- Supports LG Prime Battery charging (no comms)
- Battery retrofit to SolarEdge inverters

Energy Hub Connections

DC Combiner Box



SolarEdge Energy Net

- Wireless mesh network that seamlessly connects devices within the SolarEdge ecosystem
- Simple plug and play connection

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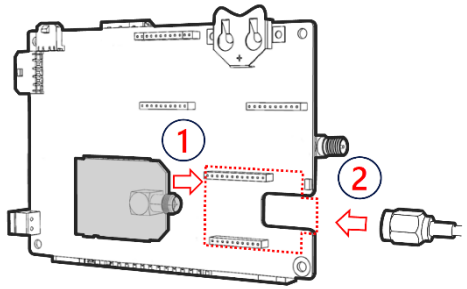
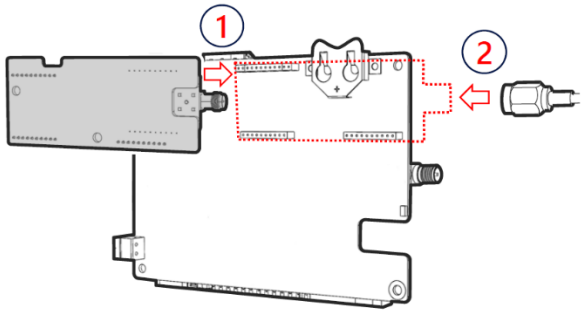
ENET-HBNP-01
ENET-xBNP-01



- Energy Net-ready inverter with the following part number format:
- SE...-...BExx
- SE...-...BZxx
- SE...-...BXxx
- SE...-...BLxx
- For example: SE7K-AUBTEBEU4

ENET-HBCL-01
ENET-xBCL-01



- SetApp-enabled inverter
- Note: Plugs into the cellular socket. Cellular plug-in or ZigBee plug-in cannot be installed in parallel

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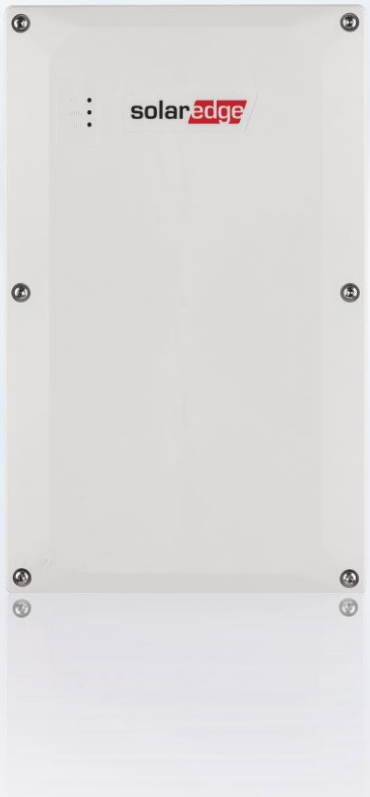
Energy Hub Connections - Ø Back-up Interface

More Independence

- Home Ø AC back-up solution with black start
- Partial or whole home back-up
- 100A Ø Capacity
- Supports up to 3x SE Ø inverters
- Supports up to 17kW Generator
- 390 x 238 x 147mm



*Due Q1 2021

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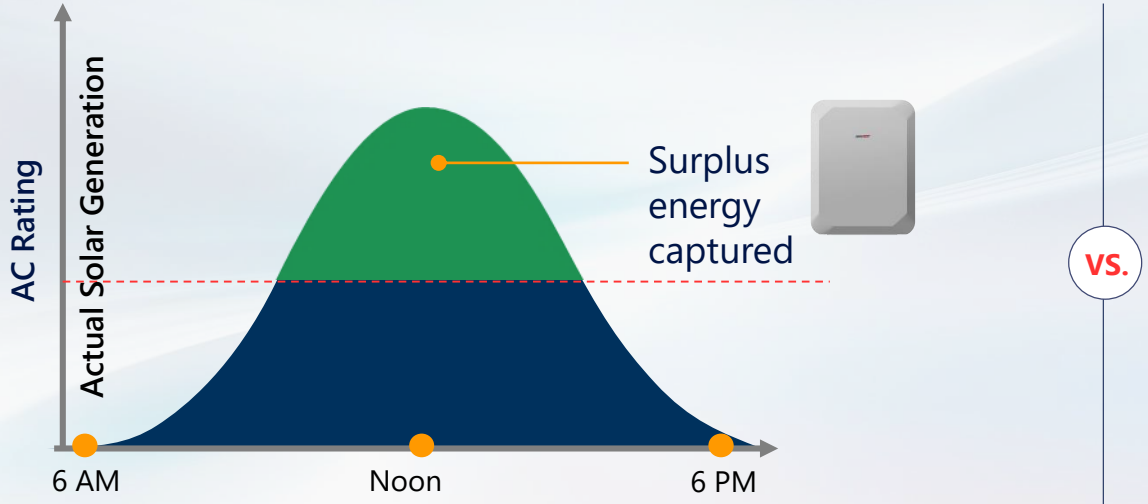
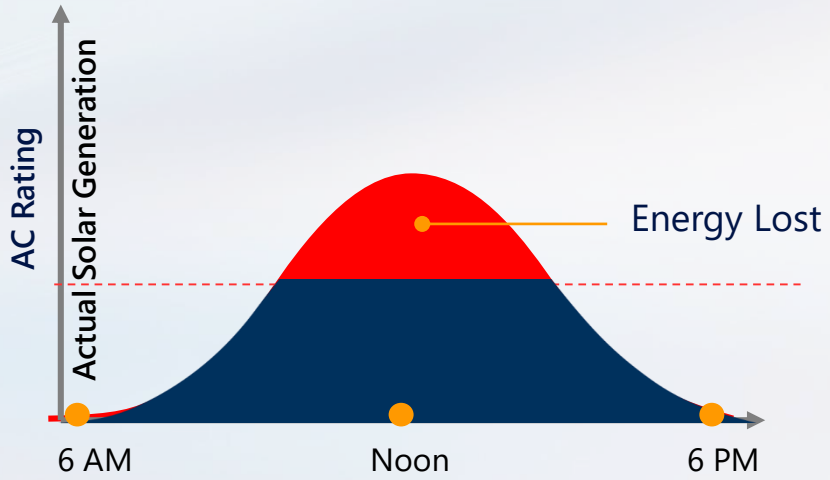
Store More Use More

DC-Coupled Storage Solution with SolarEdge



vs.

AC-Coupled Storage Solution



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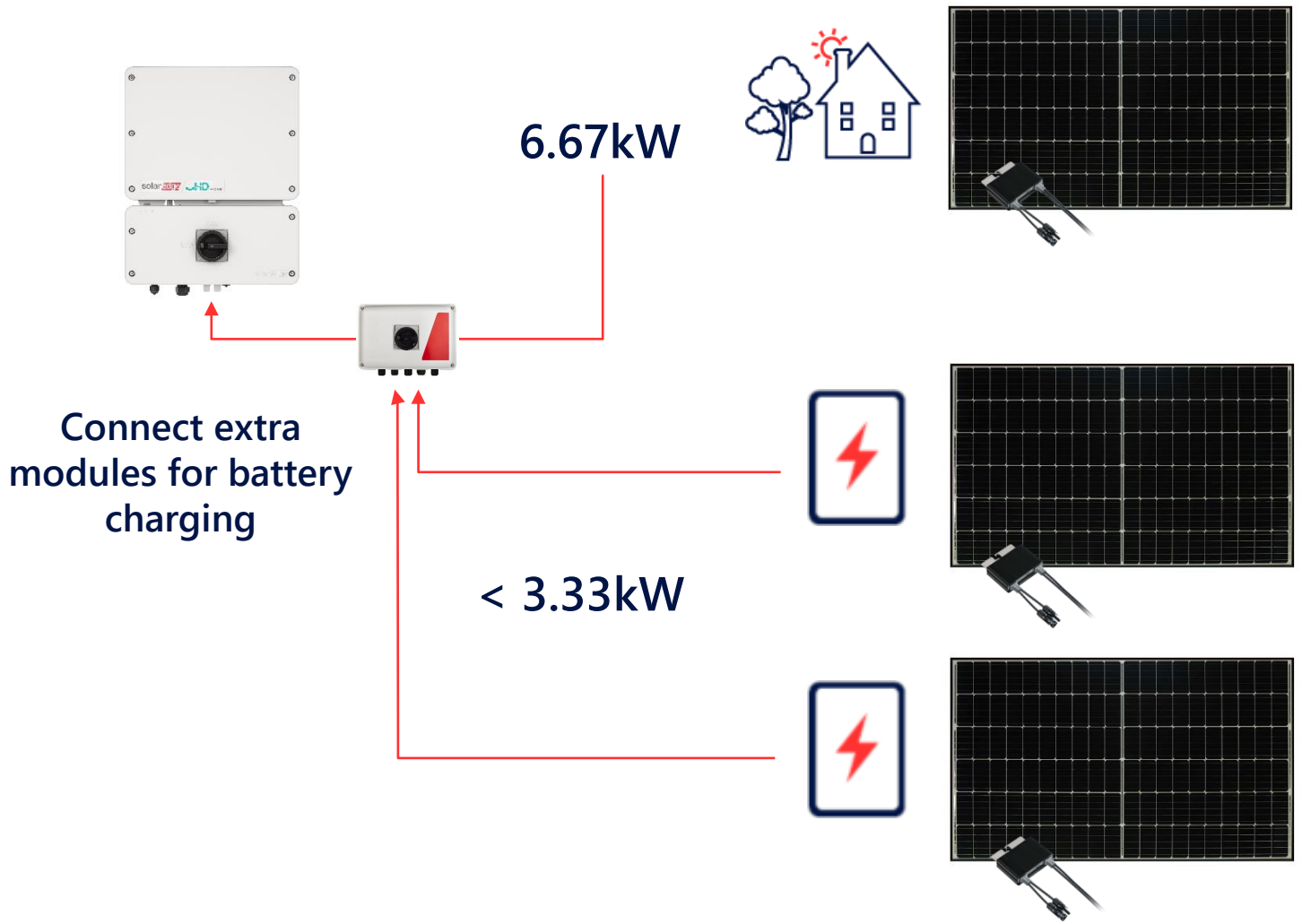
More Panels, More Versatile

DC oversizing

- Inverter simultaneously supplies AC & manages battery charging
- Add additional panels for battery charging
- Faster battery recharge
- Increased low light performance
- Approved for 200% oversizing* when a battery is connected



(*) Higher levels currently being assessed

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Comprehensive Safety From PV to Battery

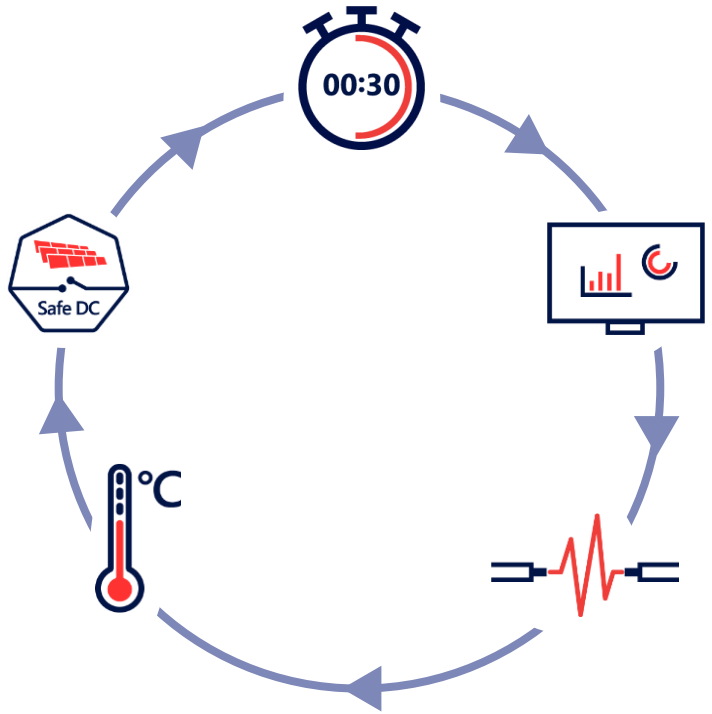
Rapid Shutdown

Safe DC™

Modul Level Monitoring

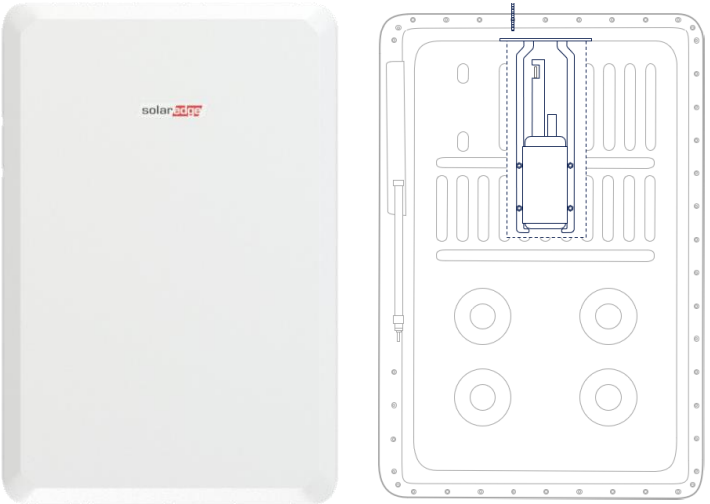
Built-in Temperature Monitoring

Arc Fault Detection and Prevention



+

Built-in fire extinguisher



Introducing SolarEdge Home

SolarEdge Monitoring

SolarEdge Home Energy Net

SolarEdge Power Optimisers

SolarEdge Home Smart Panels

SolarEdge Home Dry Contact

SolarEdge Home Water Heater

SolarEdge Home EV Charger

SolarEdge Home Energy Hub

SolarEdge Home Energy Bank

SolarEdge Home Backup Interface

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Three Key Takeaways from This Webinar

1 **Built-in meter**
Consumption monitoring for single phase homes is included, just add a CT and wire it up faster than ever!

2 **Future-proof**
Backup ready, battery ready, EV ready, Smart Home ready.

3 **Superior DC-Coupled Solution**
Sell more PV & Reduce time, cost and labor on battery installations

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Want to Learn More?

Available training

- E-learning courses*
- Webinars on demand
- Seminars

*www.solaredge.com/aus/learning-center

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Questions & Survey

Thank You!

Cautionary Note Regarding Market Data & Industry Forecasts

This power point presentation contains market data and industry forecasts from certain third-party sources. This information is based on industry surveys and the preparer's expertise in the industry and there can be no assurance that any such market data is accurate or that any such industry forecasts will be achieved. Although we have not independently verified the accuracy of such market data and industry forecasts, we believe that the market data is reliable and that the industry forecasts are reasonable.

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