

Introducing
SolarEdge Home Battery

solar**edge**





Introducing SolarEdge Home Battery

Complete storage solution from
the World's #1 Solar Provider

Presenters



James Sturch

Technical Director ROW
(Rest of World)



Doug Meldrum

Strategic Accounts Manager
Australia and NZ

Agenda



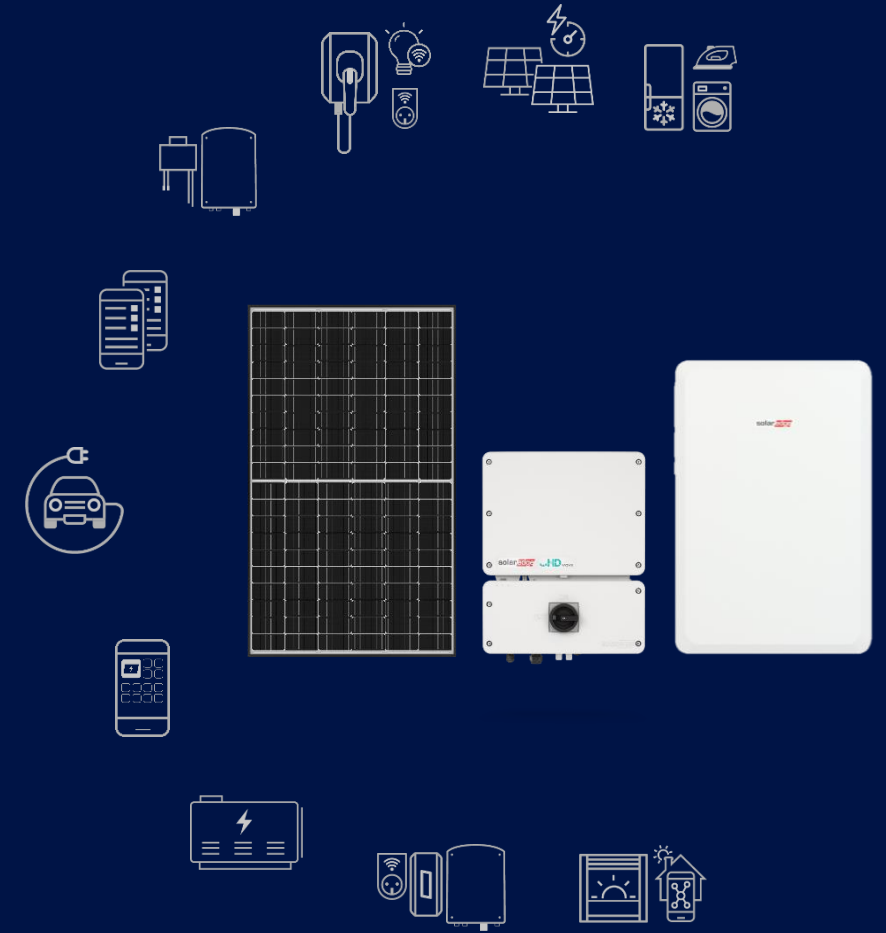
- ▮ Solution Benefits
- ▮ SolarEdge Home Battery Overview
- ▮ 2022 Promotions
- ▮ Installing the SolarEdge Home Battery
- ▮ Training and Certification

One Stop Shop

Product

Service

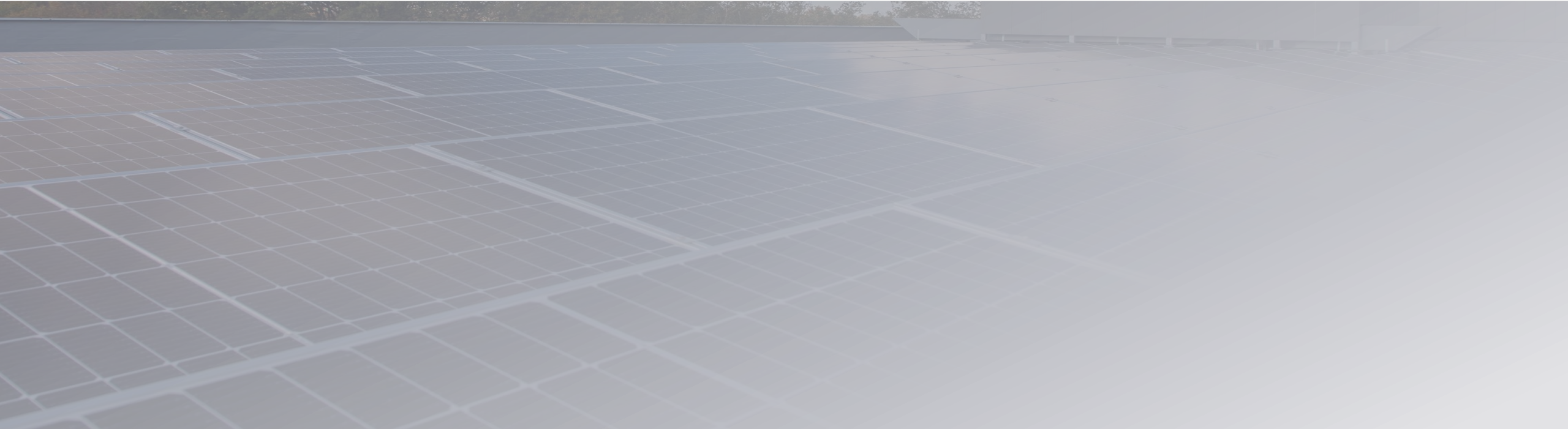
Aftercare



Increase Power, Performance and Safety



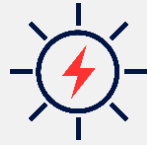
**Integrated,
Scalable
Solution**



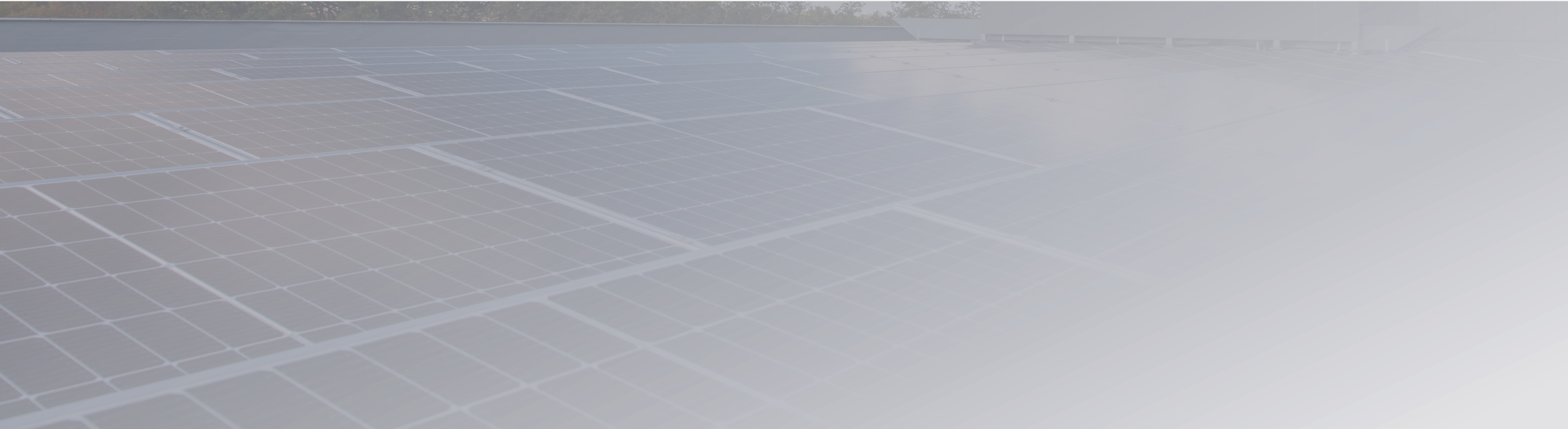
Increase Power, Performance and Safety



**Integrated,
Scalable
Solution**



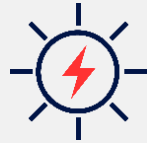
**More
Energy**



Increase Power, Performance and Safety



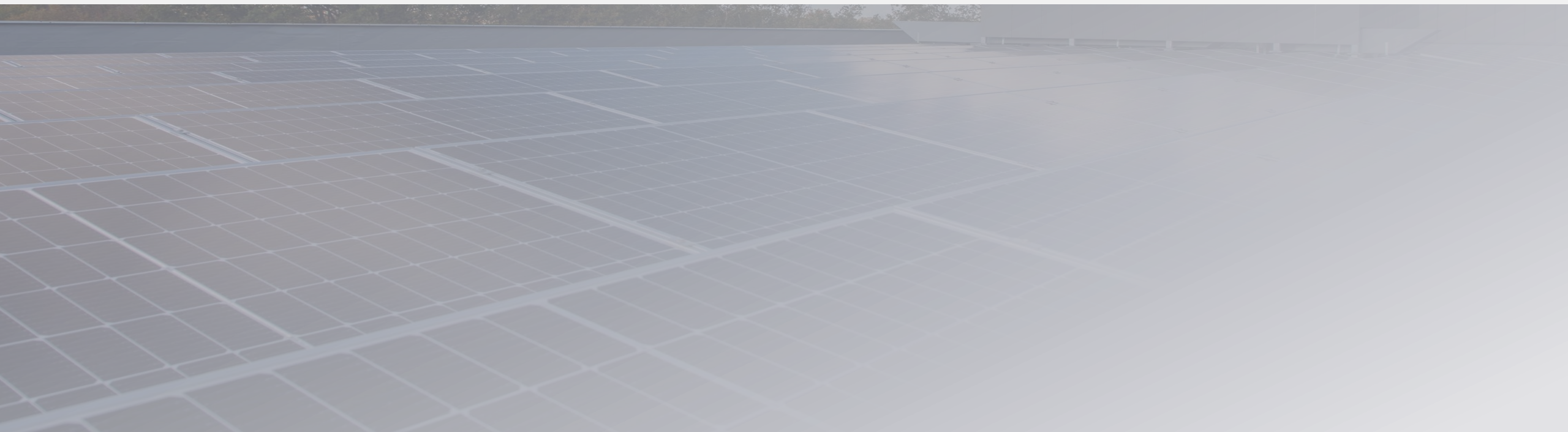
**Integrated,
Scalable
Solution**



**More
Energy**



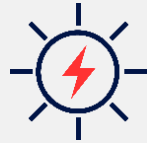
**Enhanced
Safety**



Saving time, money & labour



**Integrated,
Scalable
Solution**



**More
Energy**



**Enhanced
Safety**

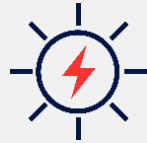


**Simpler
Installation**

Saving time, money & labour



**Integrated,
Scalable
Solution**



**More
Energy**



**Enhanced
Safety**



**Simpler
Installation**

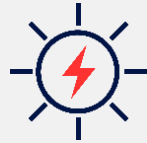


**Verify
Installation**

Saving time, money & labour



**Integrated,
Scalable
Solution**



**More
Energy**



**Enhanced
Safety**



**Simpler
Installation**



**Verify
Installation**



**Easy remote
maintenance**



SolarEdge Home Battery Overview

SolarEdge Home Battery

Seamless Storage solution

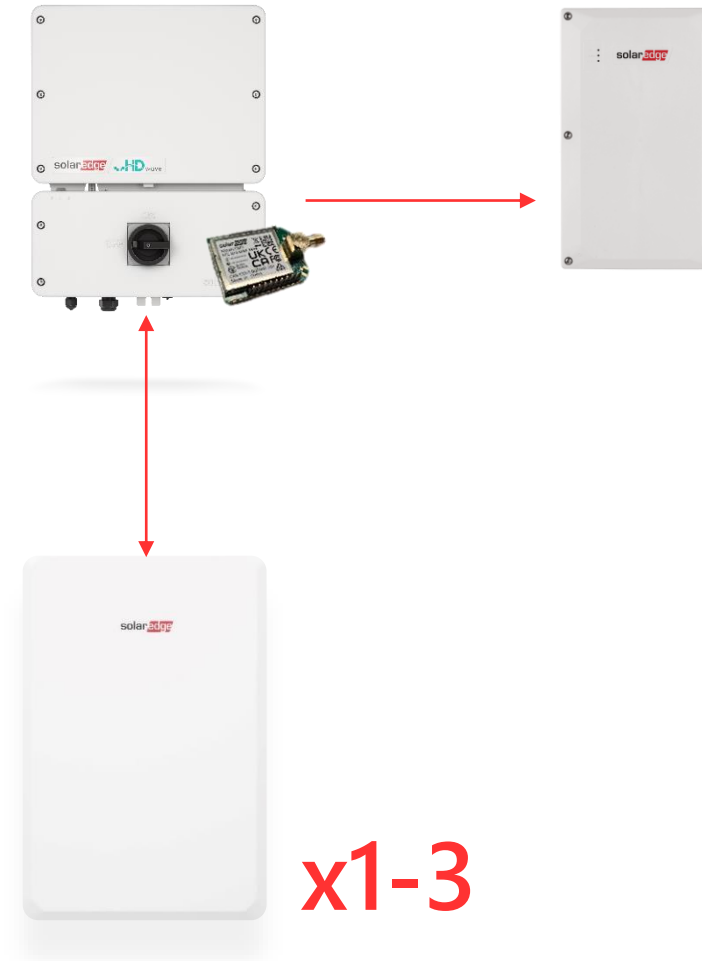
- High overall system efficiency $\approx 93.3\%$
- Indoor or outdoor; Wall or floor
- 10kWh Energy capacity
- 5kW Continuous power
- 7.5kW Peak power (10secs)
- 10Yr unlimited cycle warranty



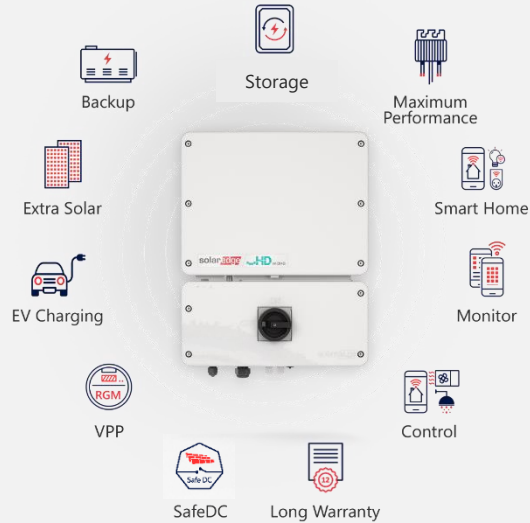
SolarEdge Home Battery Connections

Simplicity & Flexibility

- Direct DC connection to inverter
- Parallel connection for high output
- Wireless communication option
- Optional Back-up Interface
- Single vendor support



Compatible Residential Inverters



Energy Hub

- /// 3-10kW Hybrid inverter
- /// Back-up via Interface
- /// Future proofed storage, EV & smart home solution

HD-Wave Genesis

- HD-Wave EV
- /// No Back-up

3Ø Residential Inverter

- /// No Back-up
- /// Integration expected Q4 '22

Faster, Easier and Cleaner Residential Installations



**Avoids the hassle of
wired infrastructure**



**Simple plug &
play connection**

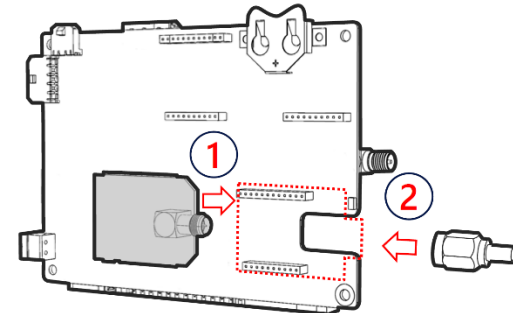


**Automatic device
detection &
configuration using
SetApp**

Seamless Wireless Communication Platform

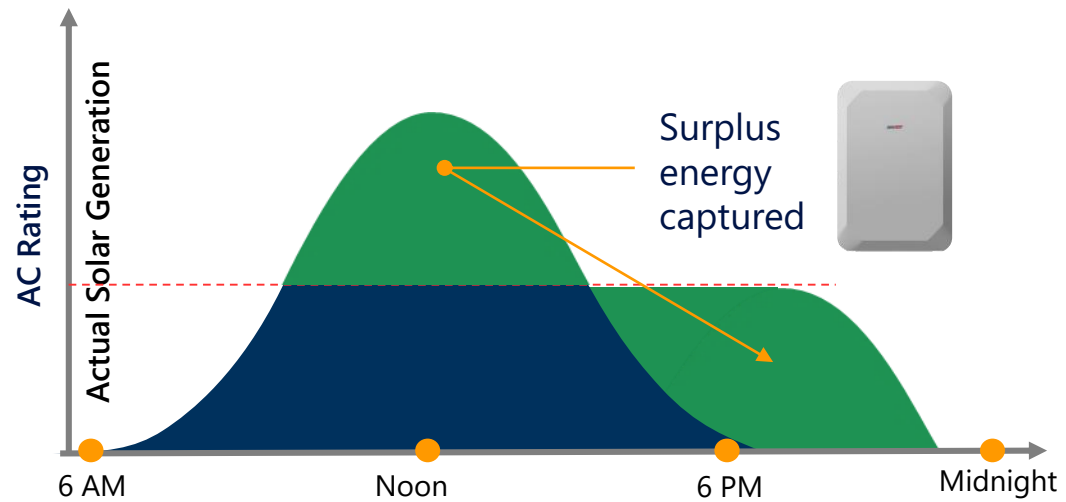
SolarEdge Home Network Plug-In

- Wireless Mesh Network
- Long range < 50m
- Each device is a repeater
- PN: ENET-HBNP-01



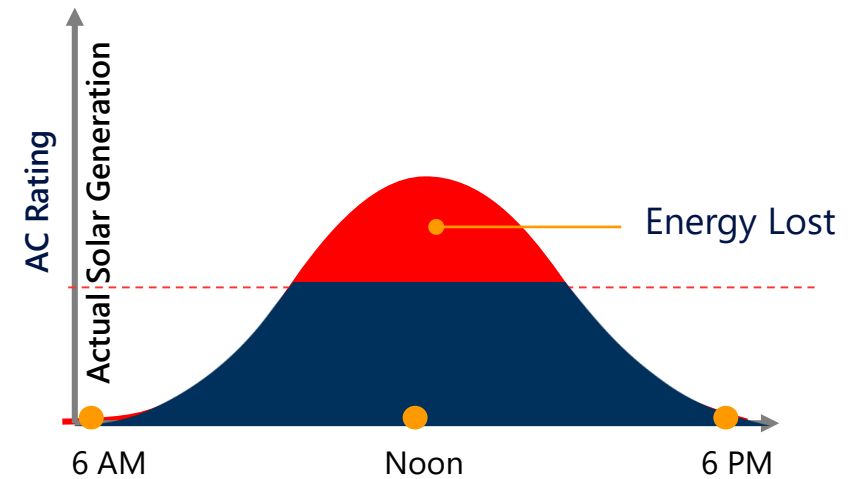
Store More Use More

DC-Coupled Storage Solution with SolarEdge



vs.

AC-Coupled Storage Solution



DC-Coupled

More Energy

- Battery charges direct from PV array – not clipped by inverter

DNSP Limits

- Maximise inverter capacity

Sell more kW's

- PV oversizing allows more kW's

Higher efficiency

- One conversion step, less waste (system efficiency $\approx 93.3\%$)

Cost avoidance

- Claim STC's on extra kW's

AC-Coupled

- Less efficient & available energy limited by inverter AC capacity

- Battery inverter limits PV inverter capacity

- PV capacity limited by CER rules

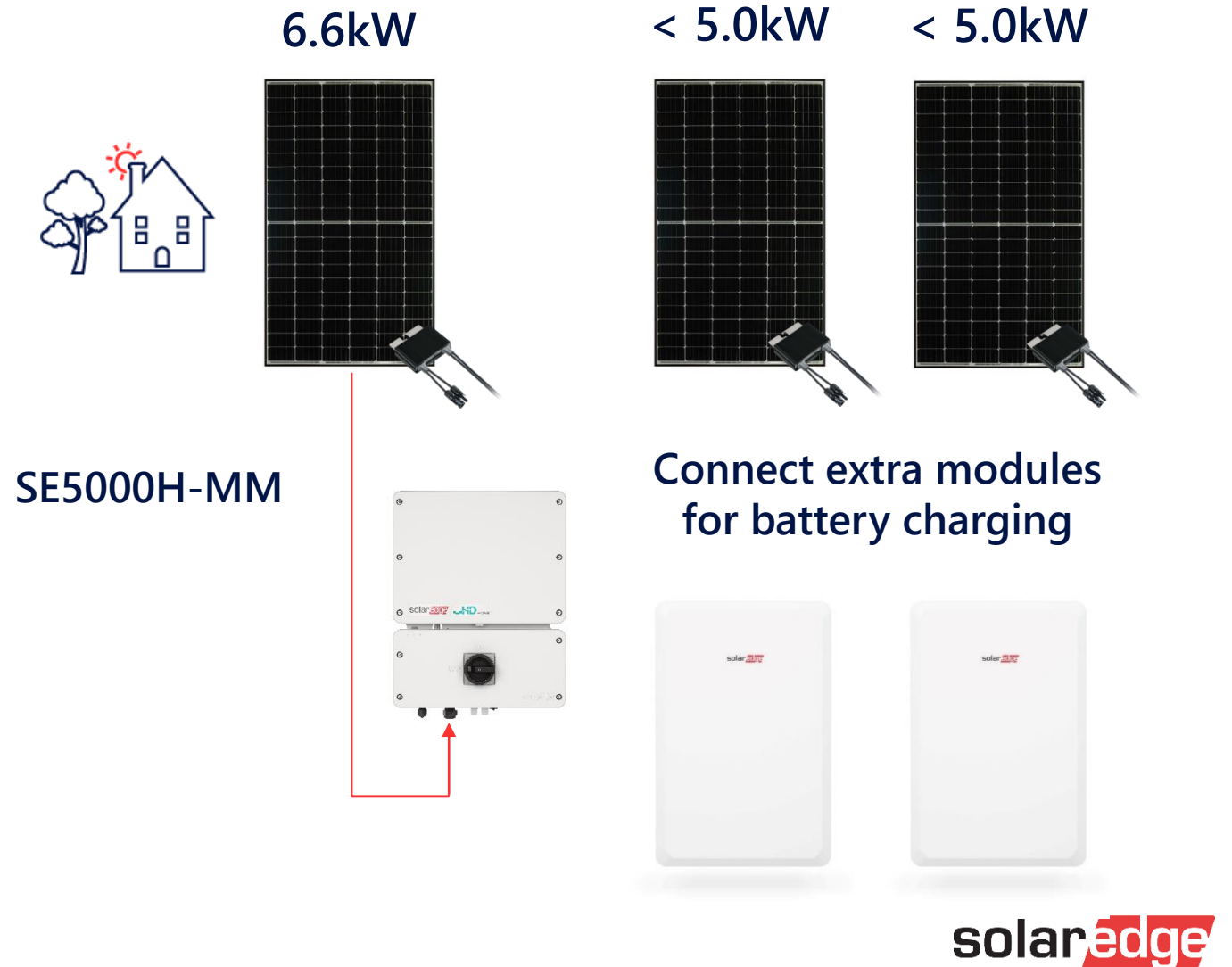
- 3 * Conversion steps, more waste

- Paying for 2 inverters, not 1

More Panels, More Versatile

DC Oversizing

- Oversize by **300%**
- Multimode “-MM” designation when a battery is connected
- Inverter simultaneously supplies AC & DC battery charging
- Faster battery charging
- Improved low light performance
- Battery and AC loads don't compete for surplus energy



Connections – DC Combiner Box

DC Combiner Box

- Parallel PV strings & batteries
- Two variants: 3-6kW & 8-10kW
- Supersedes SESTI-S4

Required for;

- Installation of 3 * SEDG Batteries
- All LG Prime installations



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*

* New firmware required due Q4 '22



2022 Promotions

TradeUp

- Swap an existing single phase SolarEdge inverter* for **FREE** with an Energy Hub inverter
- When installing a SolarEdge Home Battery with a Backup interface
- Target your database



* Excludes Genesis & Energy Hub

2022 Promotions

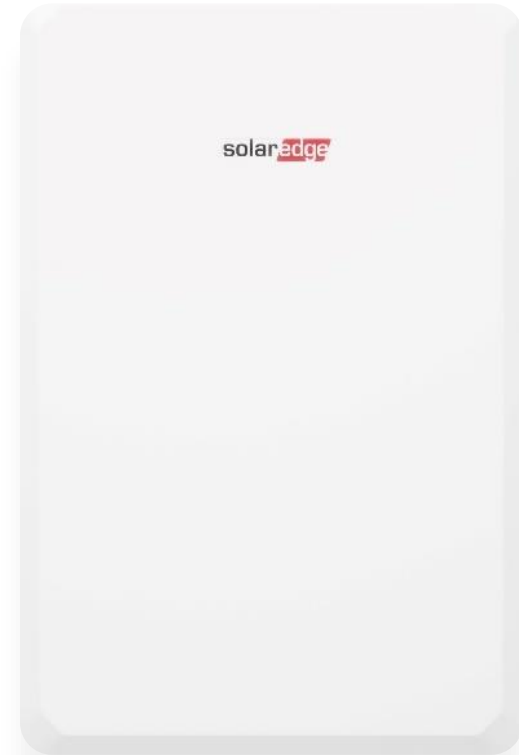
AdvantEdge

- Install a complete SolarEdge system- panels, inverter and a battery
- Enjoy 5 years of free field service at the installation site by SolarEdge Field Service Engineers
- Homeowner compensation for production downtime*



Key Takeaways

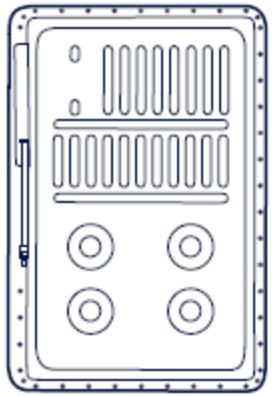
- High output – Battery + Hybrid
- Oversize by 300%
- Back-up optional & flexible
- Launch promotions





Installing the SolarEdge Home Battery

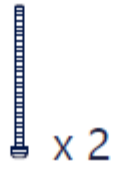
What's in the Package?



SolarEdge Home Battery



Decorative cover



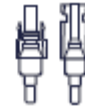
x 2
Mounting bracket screws



Mounting bracket



Fire extinguisher



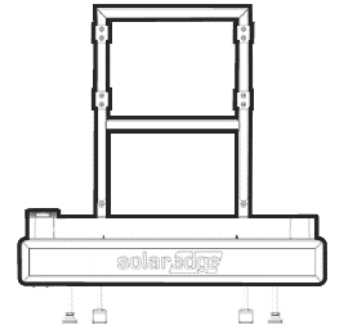
MC4 connectors



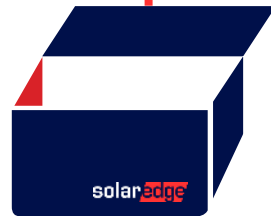
x 2
Cover screws



Conduit holder



Battery Floor Stand



Installation Guide

 Optional



solaredge

Transportation and Packaging of the Battery

- Four batteries per stack
- Long-term storage (>3 months)
temperature: -10°C to $+30^{\circ}\text{C}$
- Short-term storage (<3 months)
temperatures -30°C to $+60^{\circ}\text{C}$

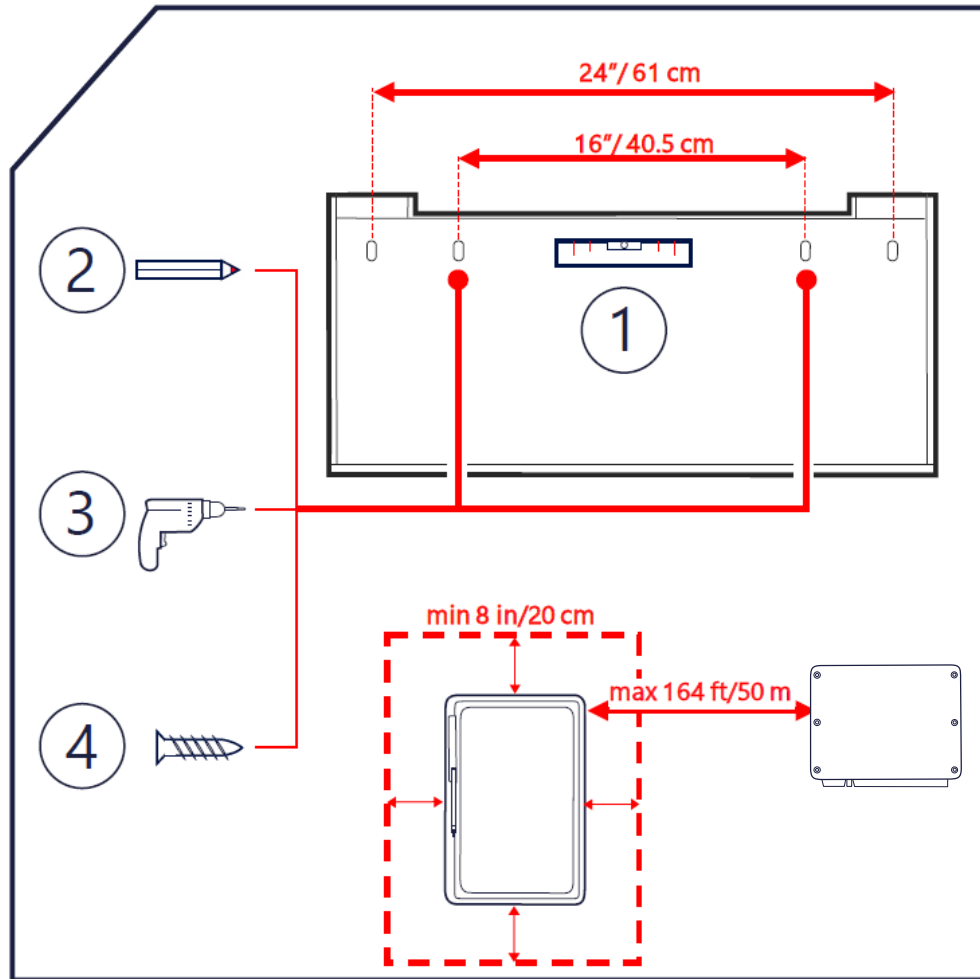




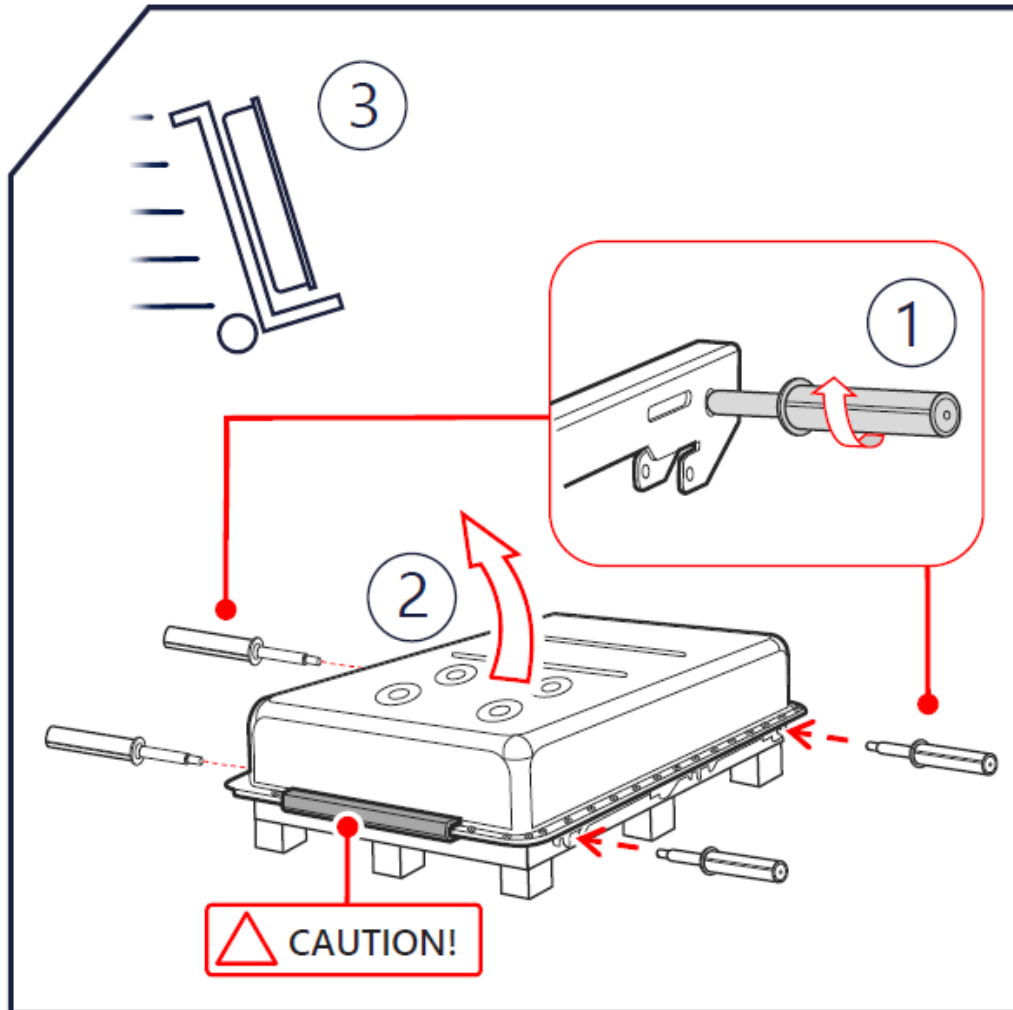
The Installation

Unpacking and mounting the SolarEdge Home Battery

Install the Mounting Bracket



Transport Battery to Installation Location

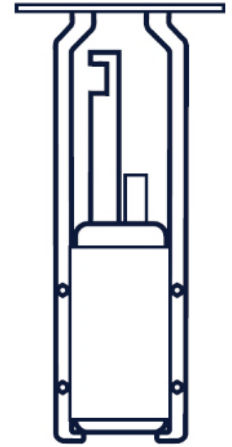
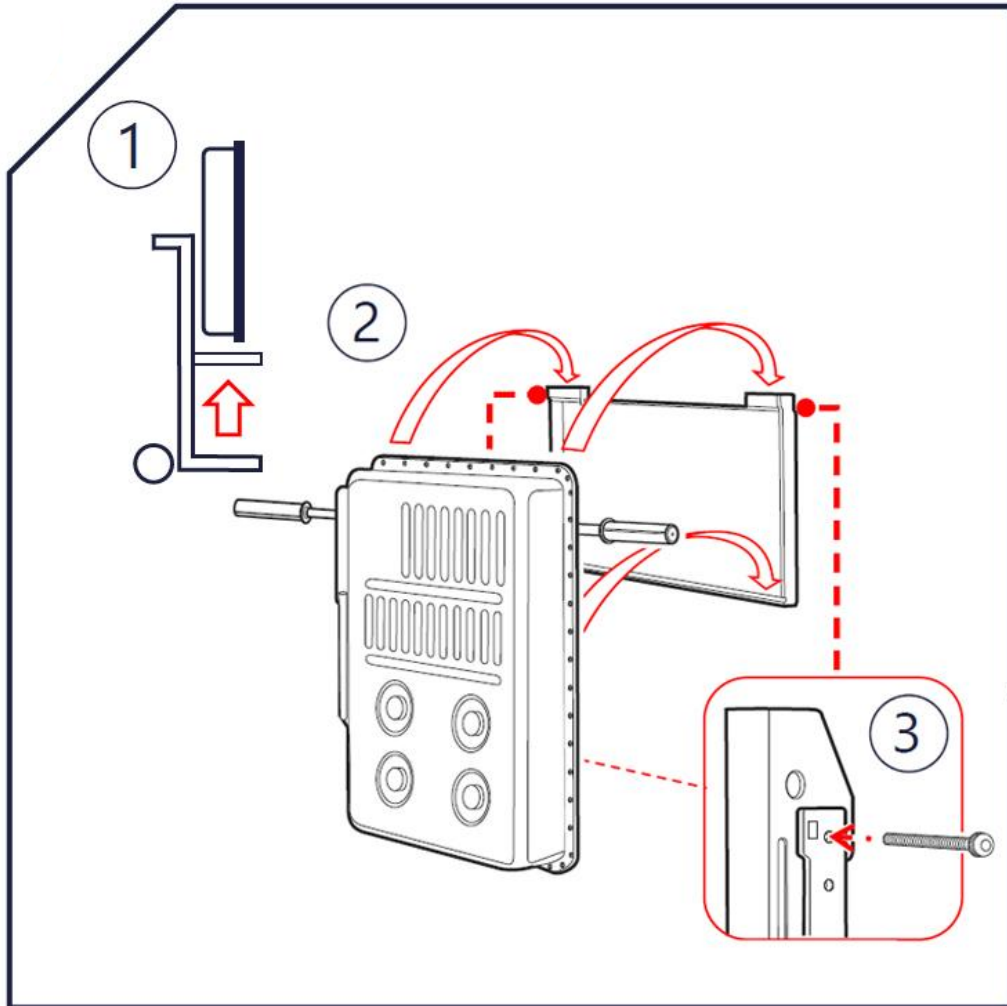


Caution!

Stand the battery on the rubber protector only!



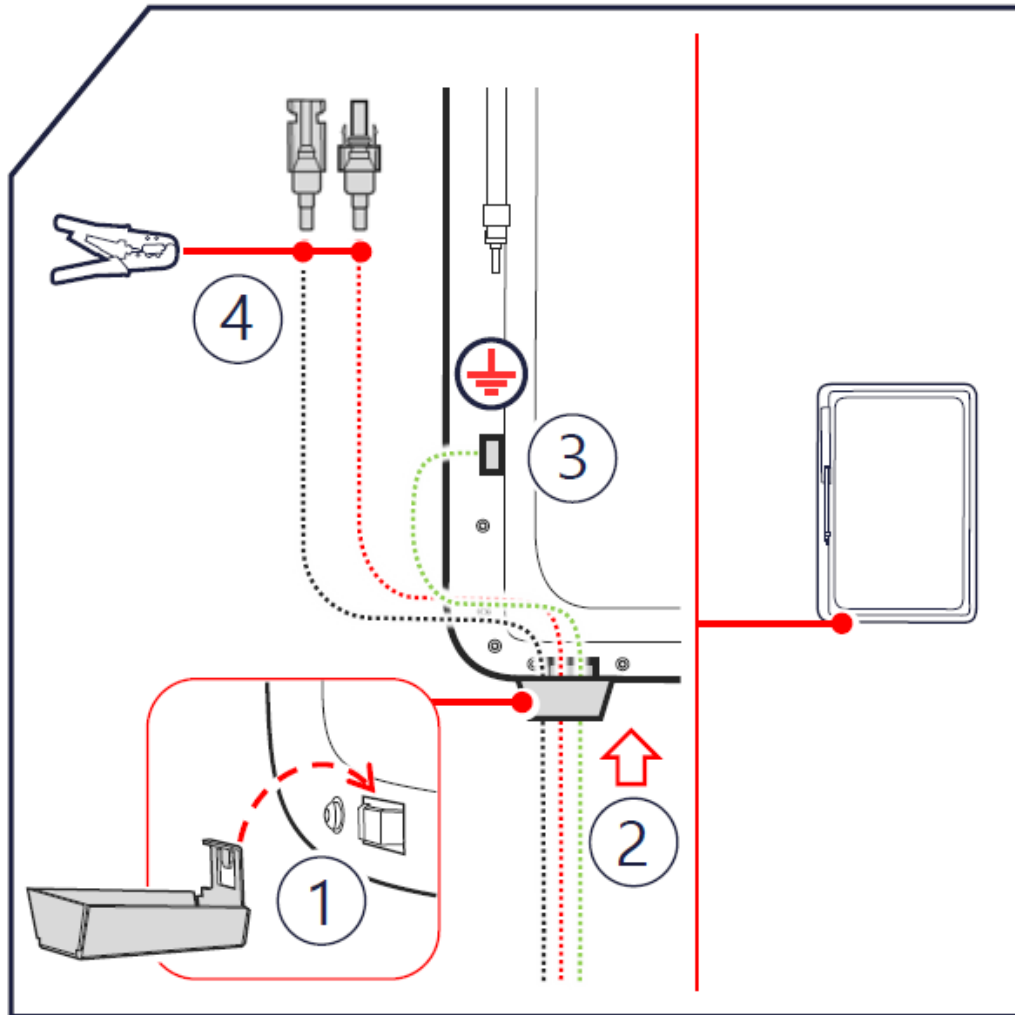
Hang Battery on the Mounting Bracket



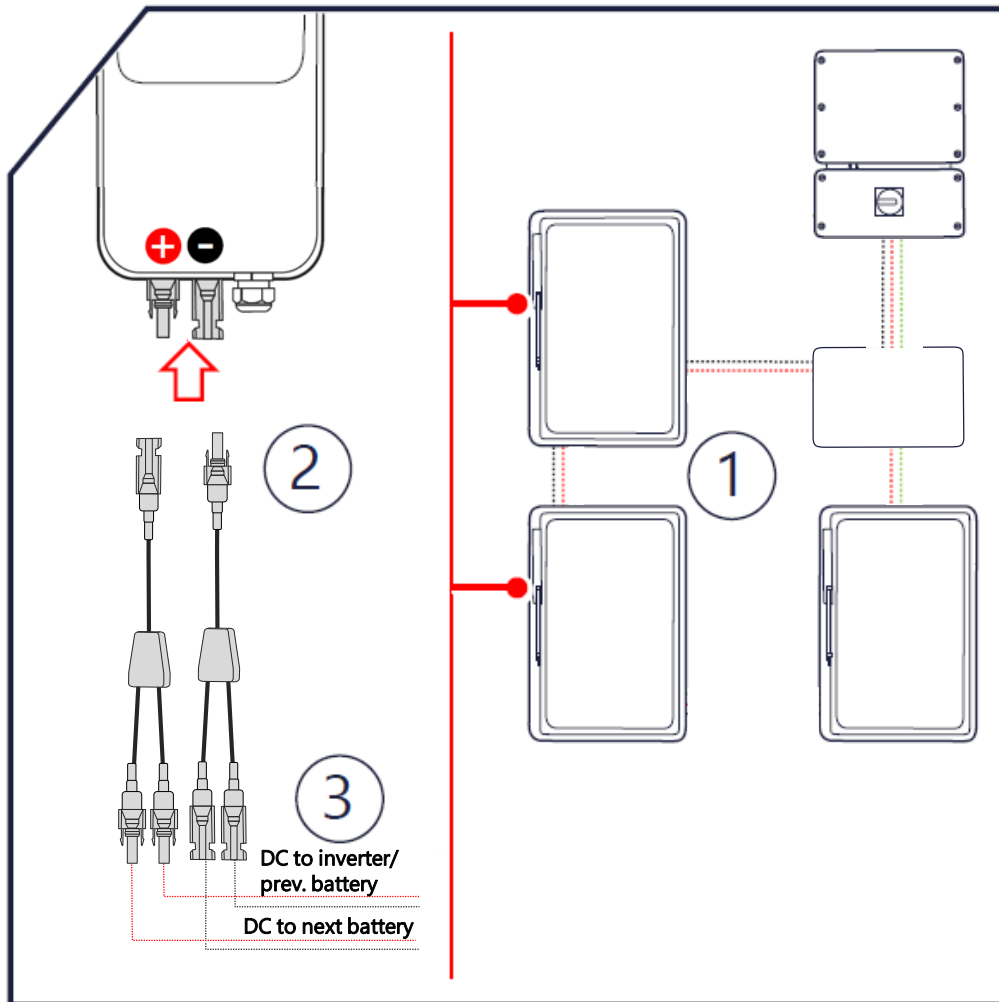
Fire extinguisher

Wiring the SolarEdge Home Battery

Prepare DC Cables



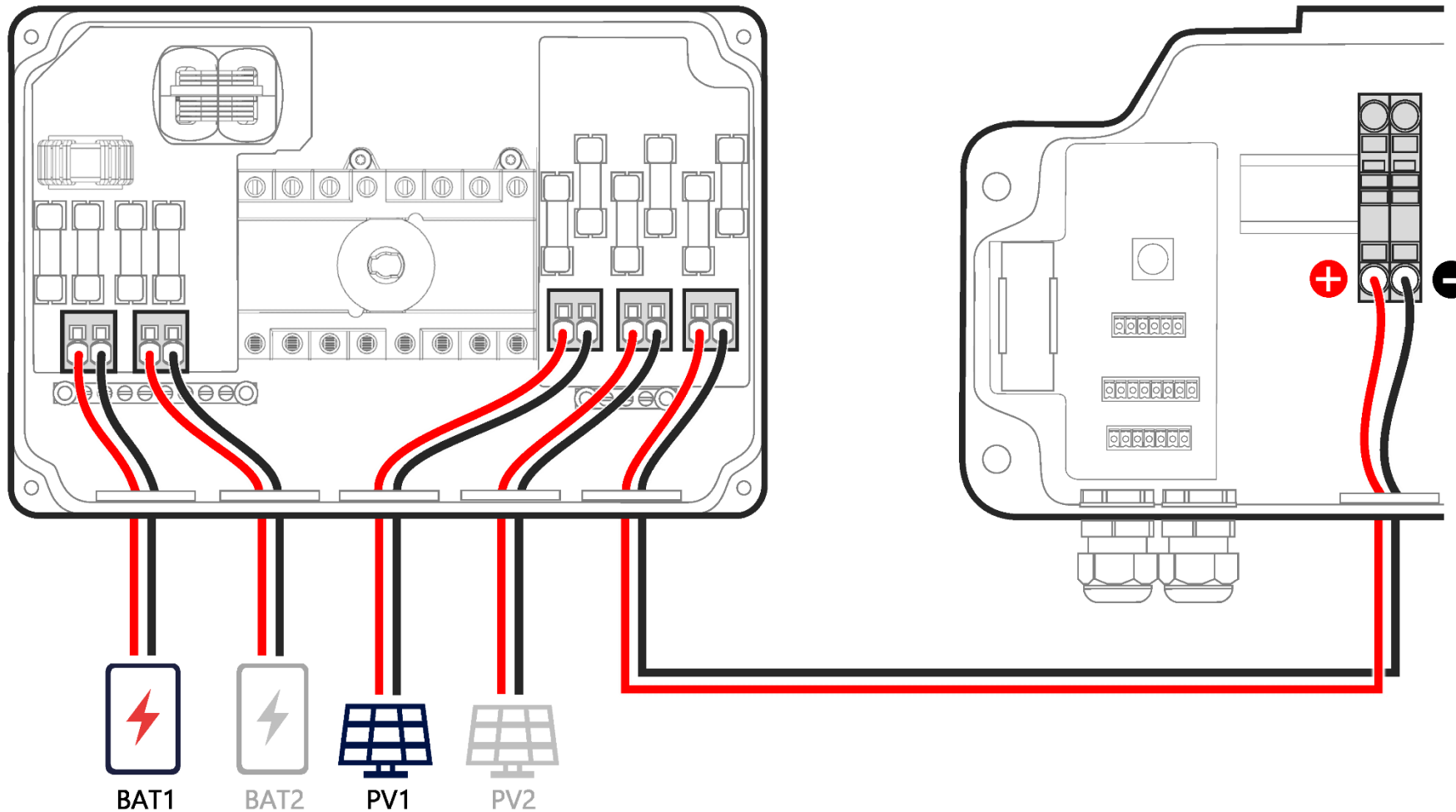
Connect Additional Batteries (Optional)



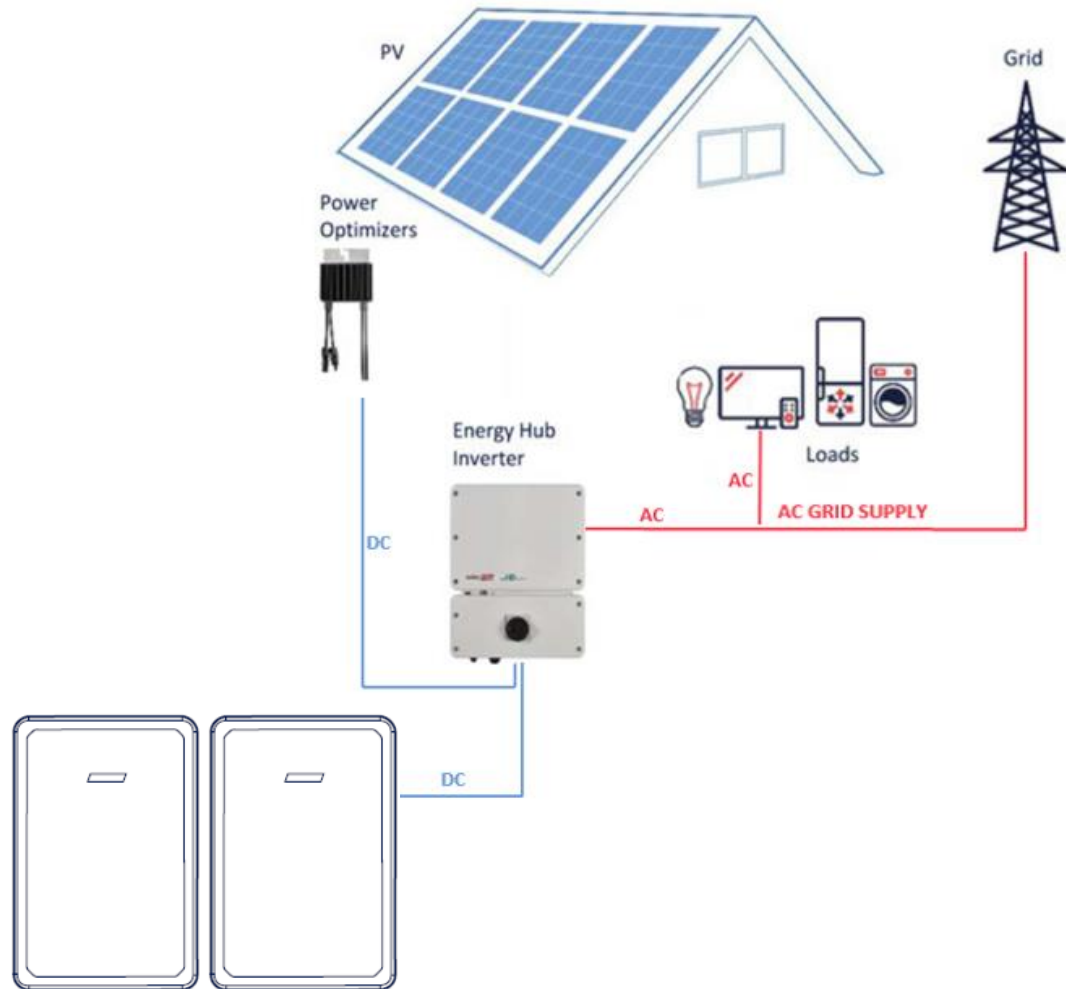
Parallel connection between batteries



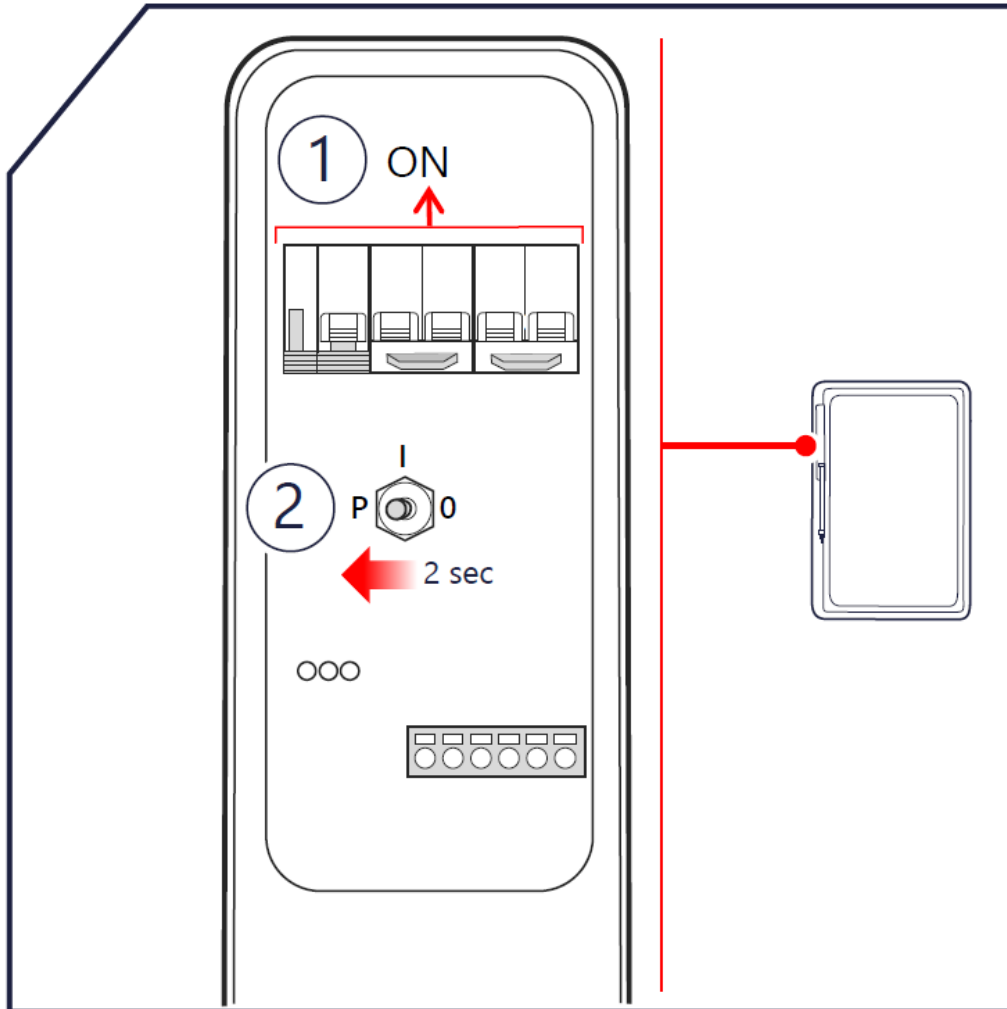
Connecting the Combiner Box (Optional)



Connecting the DC



Power On and Associate



Power



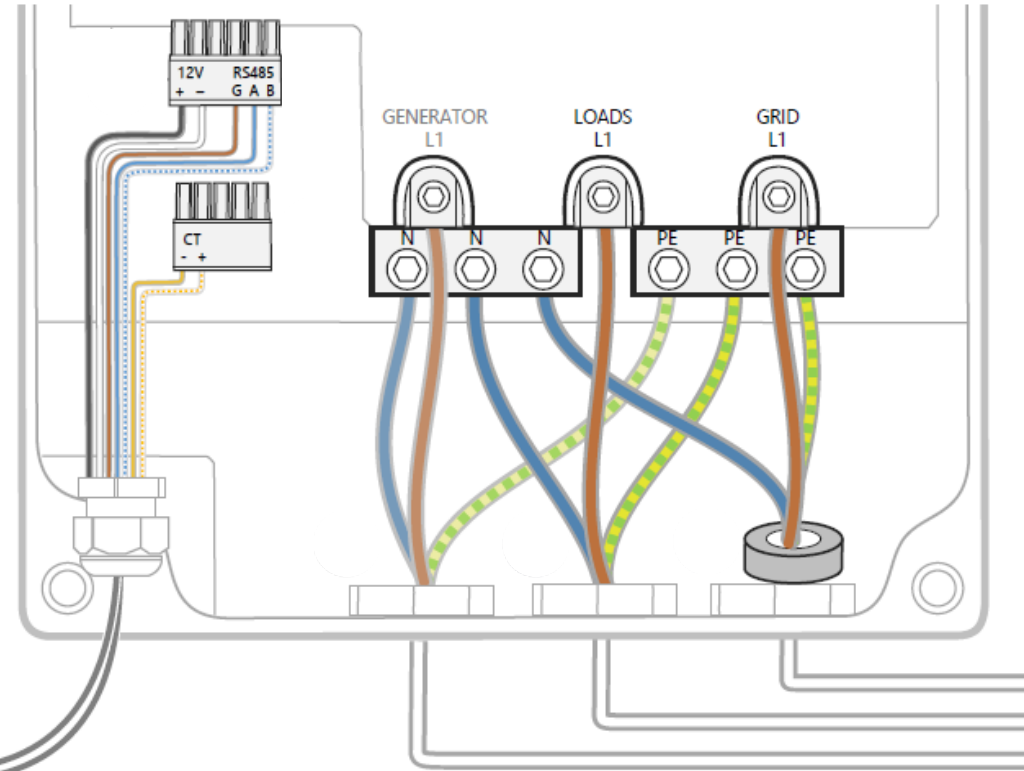
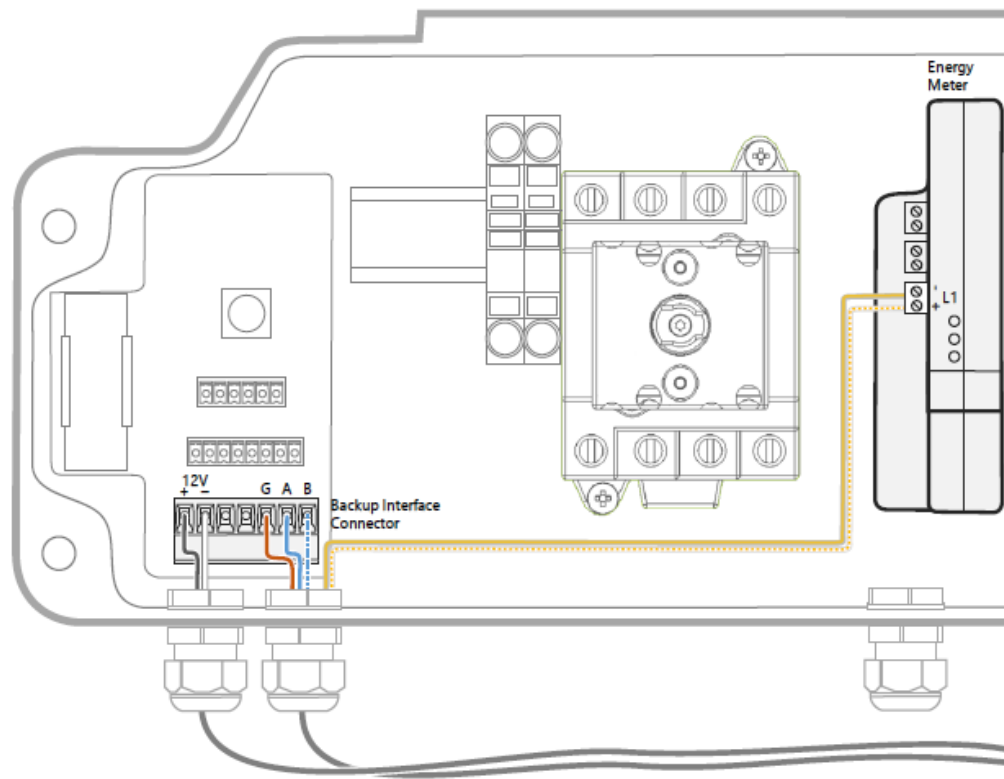
Blinking
Charge/discharge

Comm



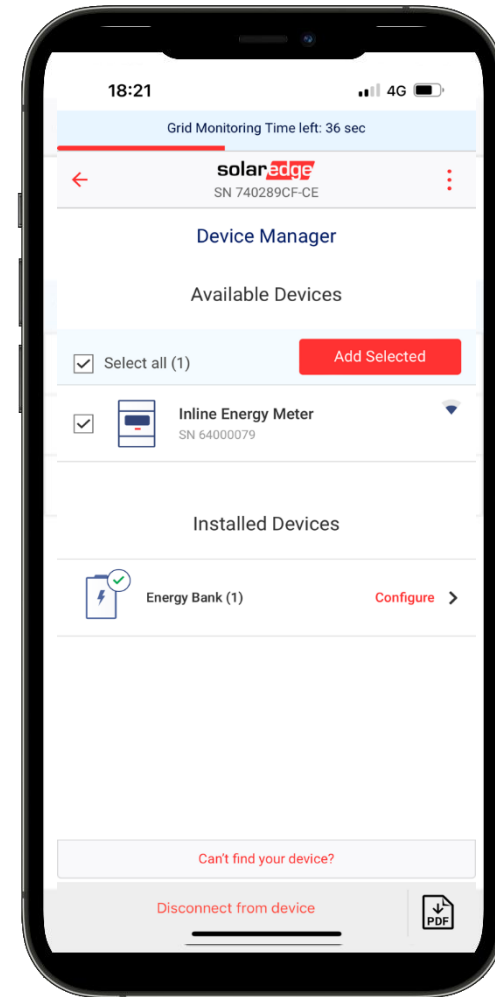
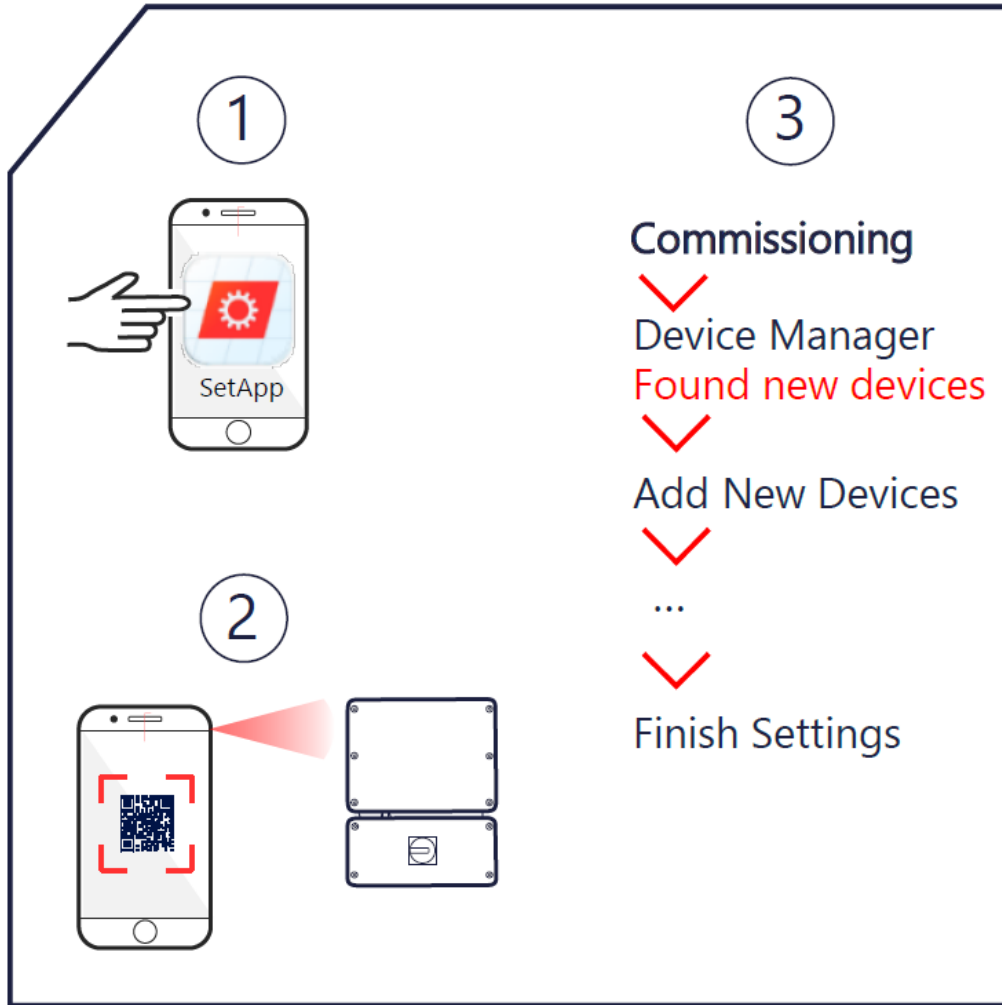
ON
Network comm OK

Connecting the Backup Interface

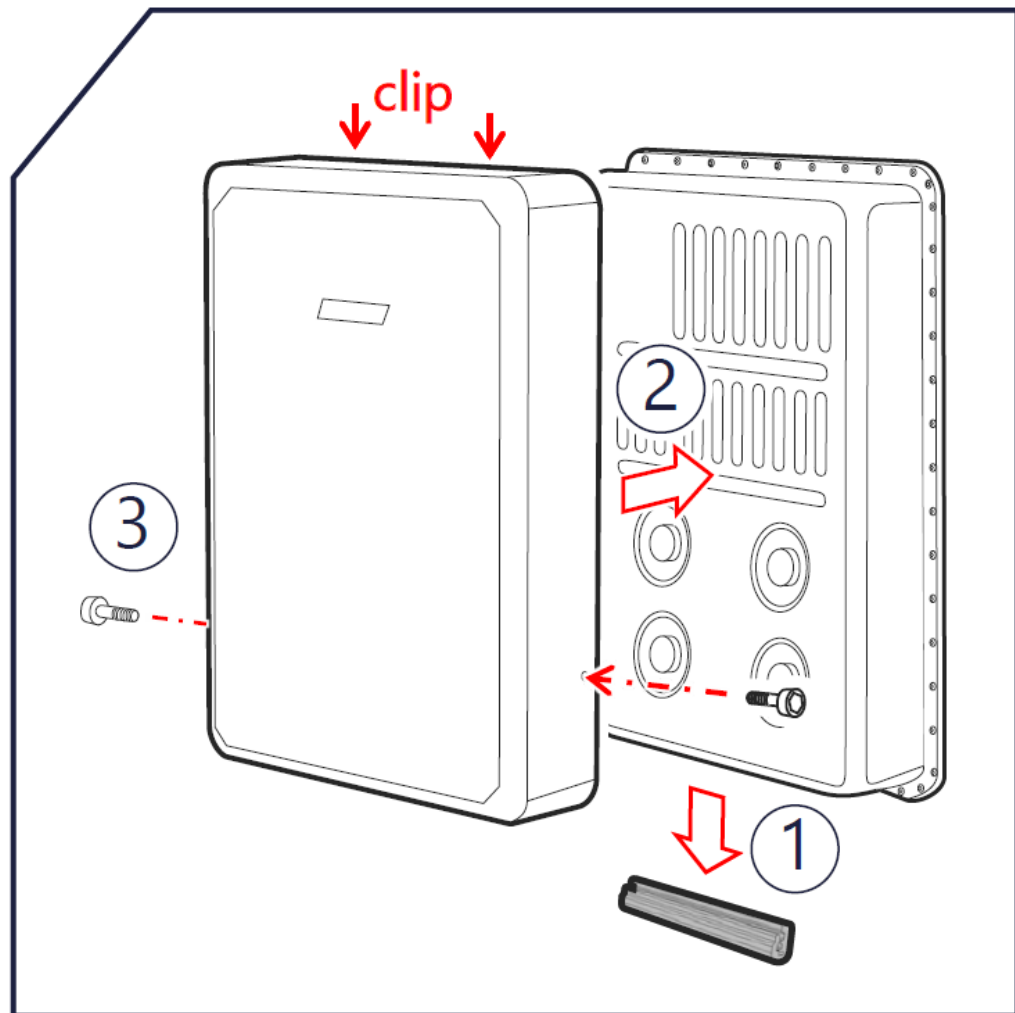


Commissioning the SolarEdge Home Battery

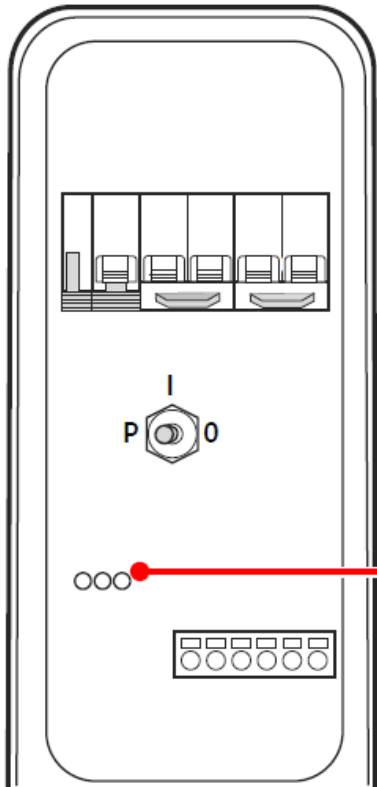
Configure Installation



Mount Battery Cover



LED Indications



Power



Blinking
Charge/discharge

Flickering
Standby/DC pairing

All LEDs ON
Boot/Reset

Comm



ON
Network comm OK

Blinking
Searching for network

Fault



ON
Fault

Fast Blinking
FW update

SolarEdge Home Battery - Floor Mounting

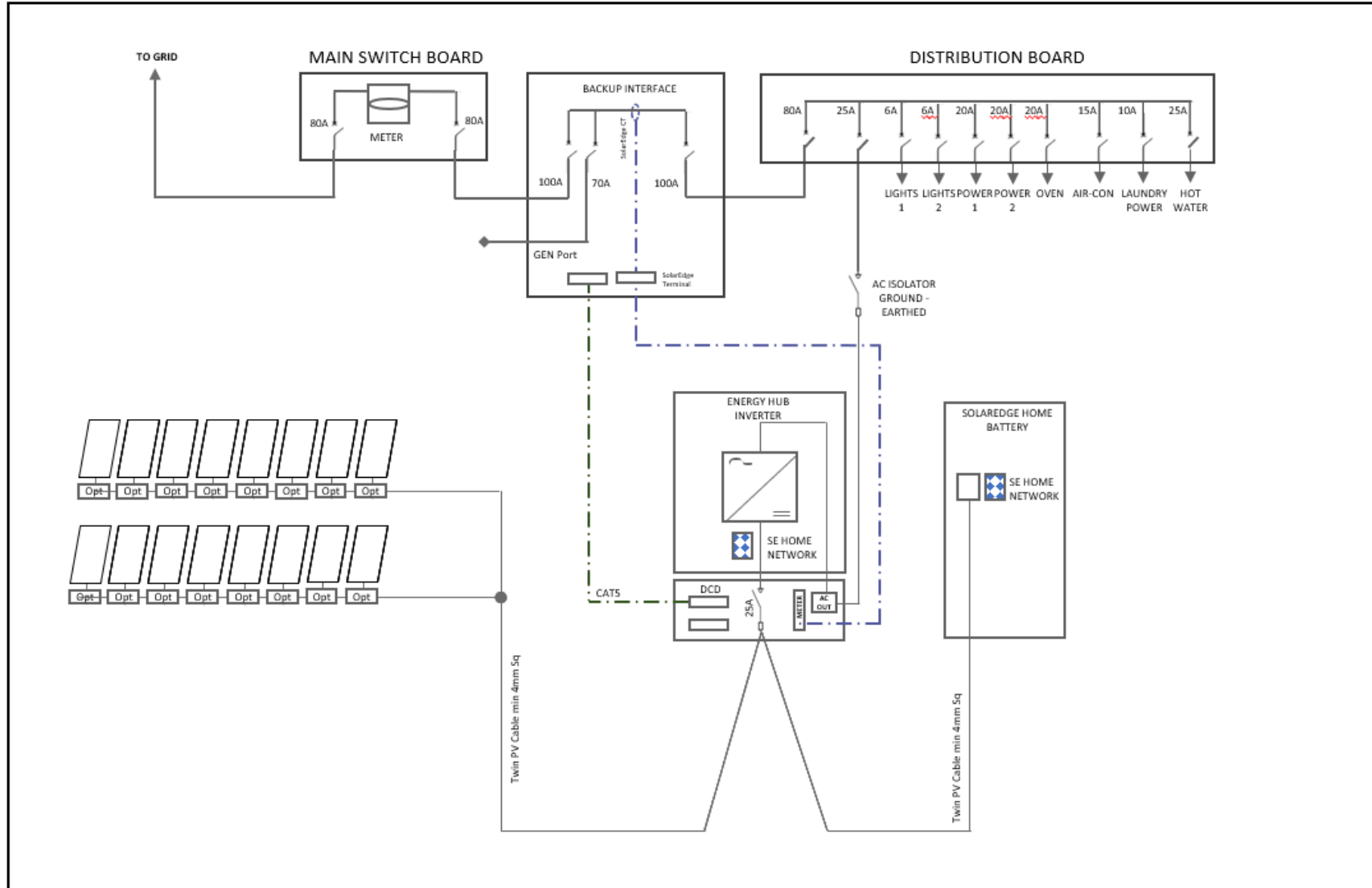
- Each stand supports a single battery and ordered separately
 - It supports up to 4 batteries, one in front of the other
- Mechanical features:
 - 25mm cable entrance (either side)
 - Adjustable leg height
 - Wall (mandatory) or floor (optional)
 - Hidden wire management



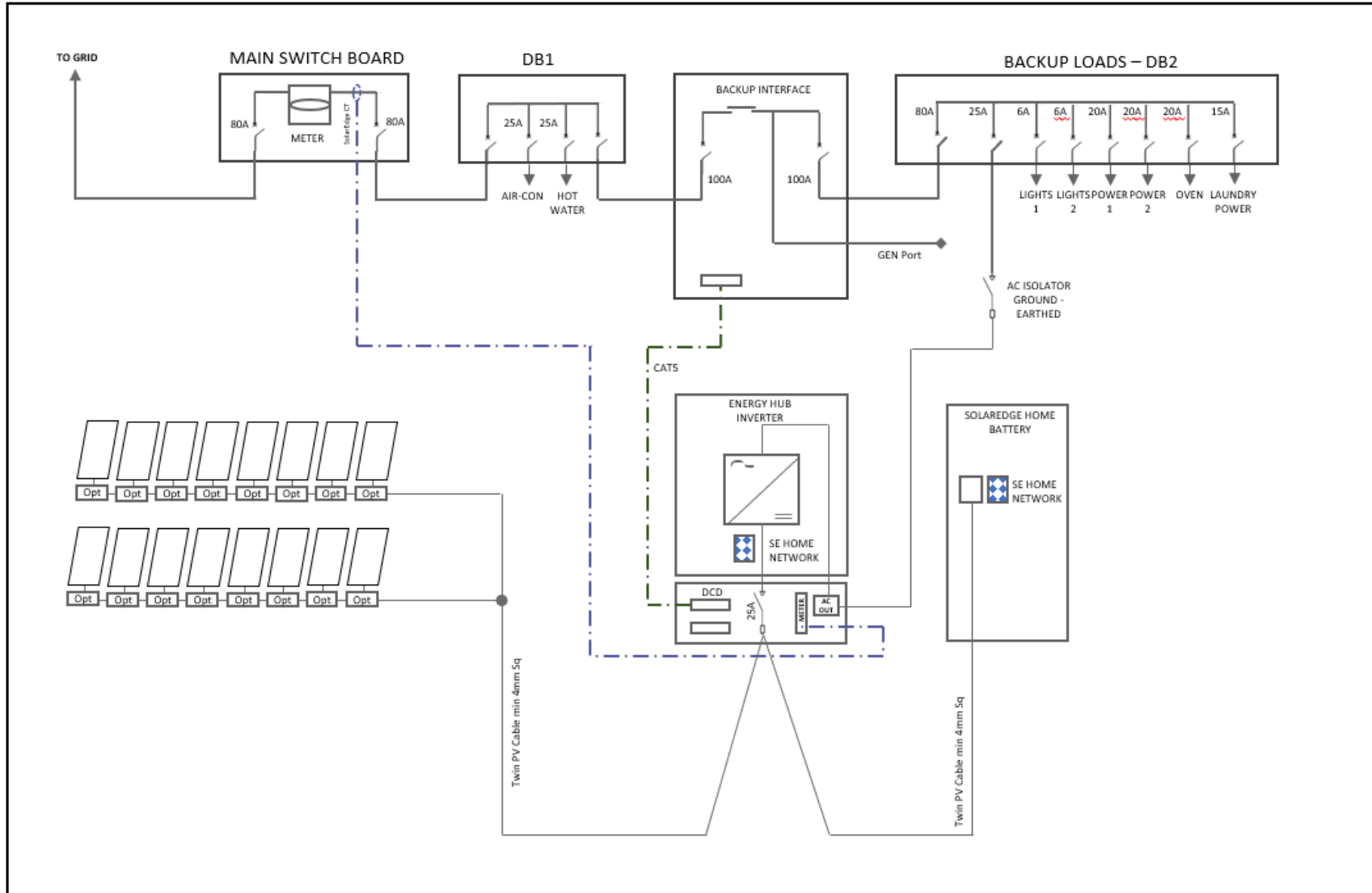


Single Line Diagrams

Whole Home Backup



Partial Home Backup - Dual Energy Hub






Training and Certification Process

Installers - Learning Path

Prerequisites




A course card for 'SolarEdge Installation Essentials'. The top half features a green checkmark in a white box on the left, a hand holding a compass in the center, and a dark blue triangle on the right containing the text '30 CPD POINTS'. Below the image, the course title 'SolarEdge Installation Essentials' and 'Digital Course' are listed. At the bottom, a green button contains the text 'Completed' and a white checkmark.

SolarEdge Installation Essentials
Digital Course

Completed ✓

Required



A course card for 'SolarEdge Home Battery - Technical Certification'. The top half features a dark blue triangle on the right containing the text '30 CPD POINTS'. Below the image, the course title 'SolarEdge Home Battery - Technical Certification -' and 'Digital Course' are listed. At the bottom, a dark blue button contains the text 'Resume Course' and a white refresh icon.

SolarEdge Home Battery - Technical Certification -
Digital Course

Resume Course ↻




- Technical webinar
 - FAQs
- Brush up on Batteries
- How to videos
 - Unpacking and Mounting
 - Floor Mount
 - Wiring
 - Commissioning
 - Uninstalling
- Certification Exam

Installers - Learning Path

Essentials & Home Battery Courses


- Use or create a user account
- Login to EDGE Academy
- Installers, Operations & Sales
- 60 CPD points for both courses**
- Trusted Installer status**



The card features a green checkmark in the top left corner and a background image of a hand holding a compass against a mountain landscape. A dark blue triangle in the top right corner contains the text '30 CPD POINTS'.

SolarEdge Installation Essentials
Digital Course

Completed ✓



The card features a background image of a car in a garage. A dark blue triangle in the top right corner contains the text '30 CPD POINTS'.

SolarEdge Home Battery - Technical Certification -
Digital Course

Resume Course ↻

EDGE Academy Enrolment Guide

<https://solared.ge/AcessEdgeAcademy>

[SolarEdge Home Battery- Technical Certification - AUS](#)



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.

Version #: V.1.0

