

INNOVATION FOR ENERGY FUTURE

SIMPLIFIED DESIGN

RELIABILITY

HIGH EFFICIENCY

SOLINTEG ALL-IN-ONE HYBRID SINGLE-PHASE | HSH3-6KW/5-10KWH

V1.1-2024.10.18

Solinteg HSH System Includes



M2HS3-6K

3/3.6/4.2/4.6/5/6K

1P Hybrid Inverter



EBA-B5K1

5kWh(1/2)

AiO Battery



RMM

Single-phase

Smart Meter & CT



R2MD Dongle

WiFi/Lan/Bluetooth 3 in1



ECA-B

1P-7kW

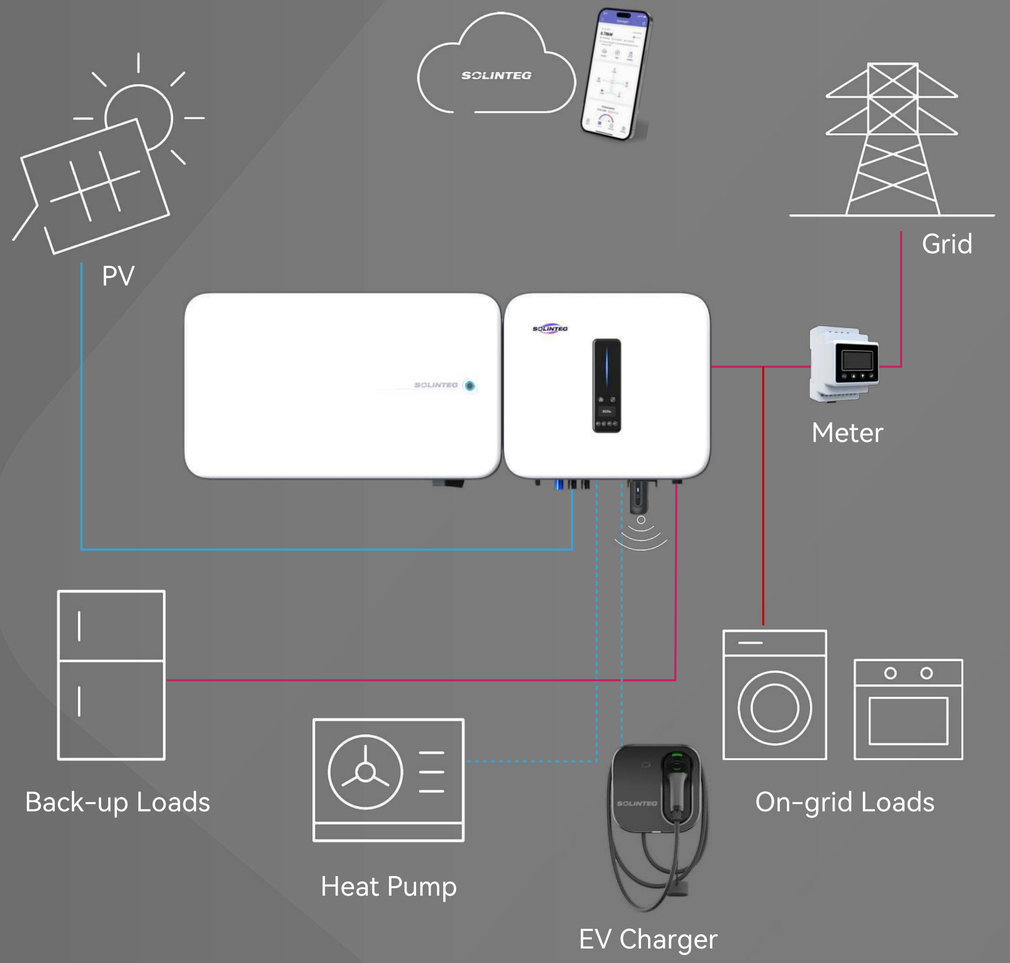
AC Charger(Opt.)



Integ OS

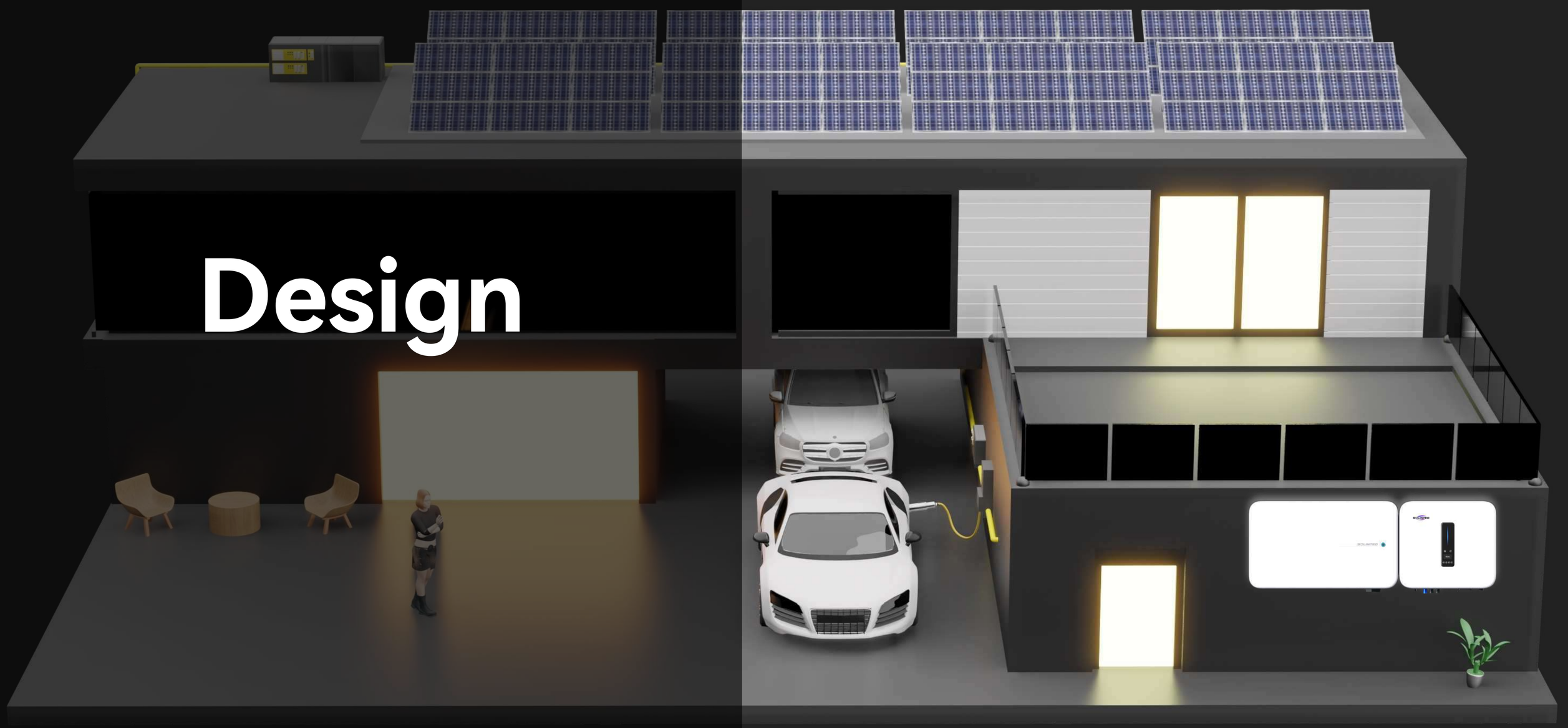
IntegHub2.0

Solinteg Portal



Solinteg Smart Living Solution

Design

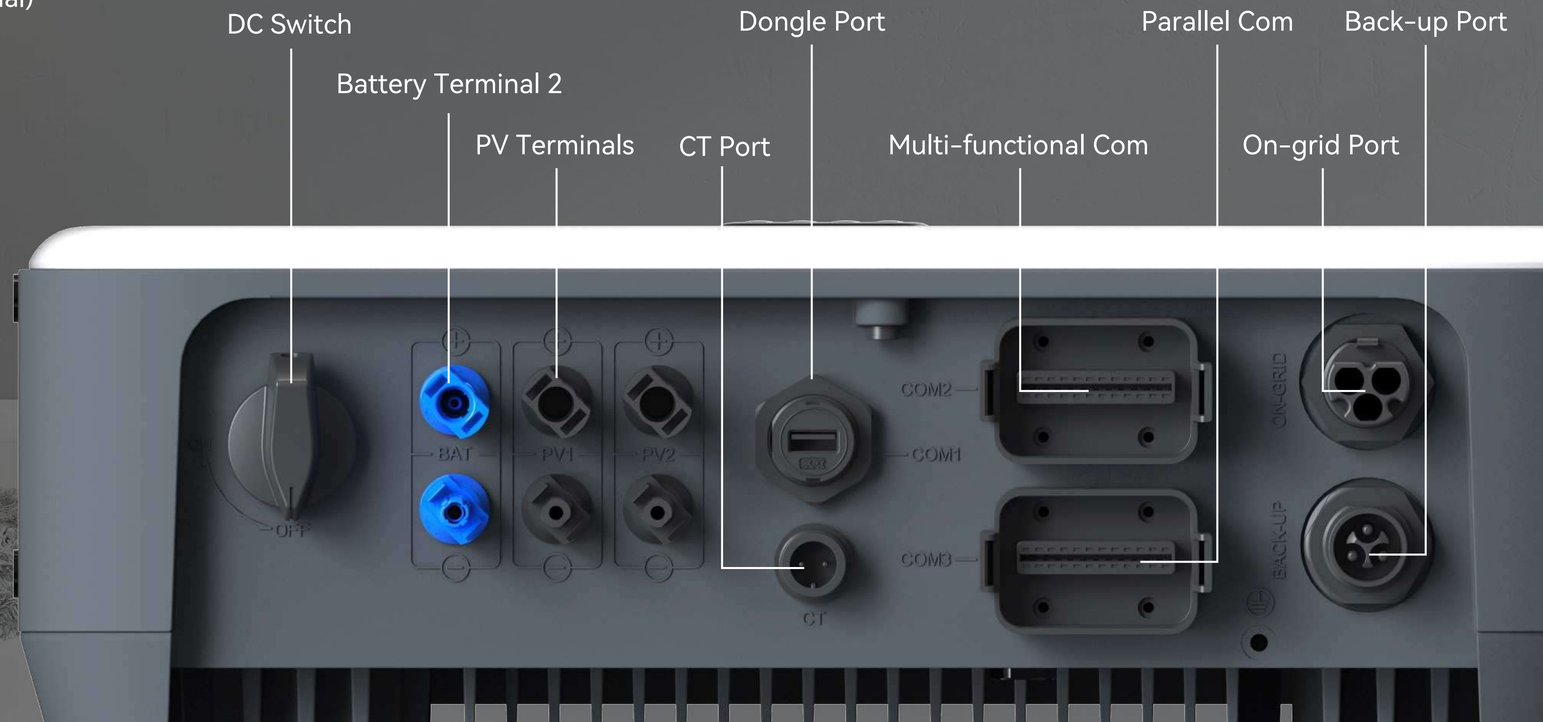


Plug & Play / Effortless Installation



40%

Time-saving Compared with Industrial Average



Powerful Display / Effortless Control



I-Light, indicate the working status

Indicate grid connection status

Indicate communication status

Multi-functional display

Exit to previous page

Confirm button

Adjust value

Adjust value



Save $1/4m^2$

Your Every Square Meter Matters







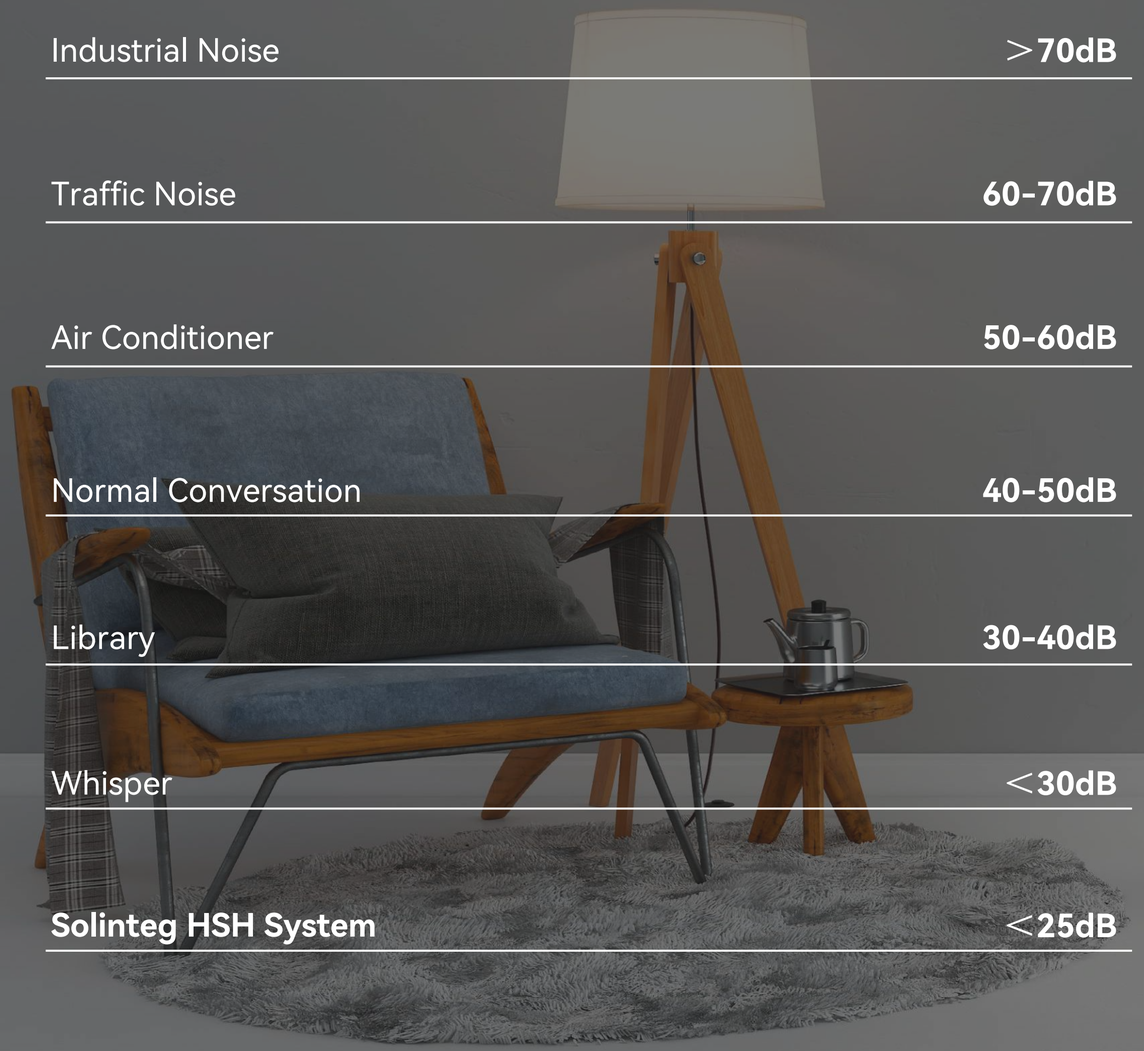
COMPACT **LIGHT-WEIGHT**

MINIMALIST SPACE UTILIZATION

MORE SPACE REQUIRED

NO FLOOR SPACE REQUIRED

Aesthetics that Don't Disturb



Industrial Noise	>70dB
Traffic Noise	60-70dB
Air Conditioner	50-60dB
Normal Conversation	40-50dB
Library	30-40dB
Whisper	<30dB
Solinteg HSH System	<25dB



<25dB

Quiet Operation

WHISPER-MODE WORKING



5KWH BATTERY

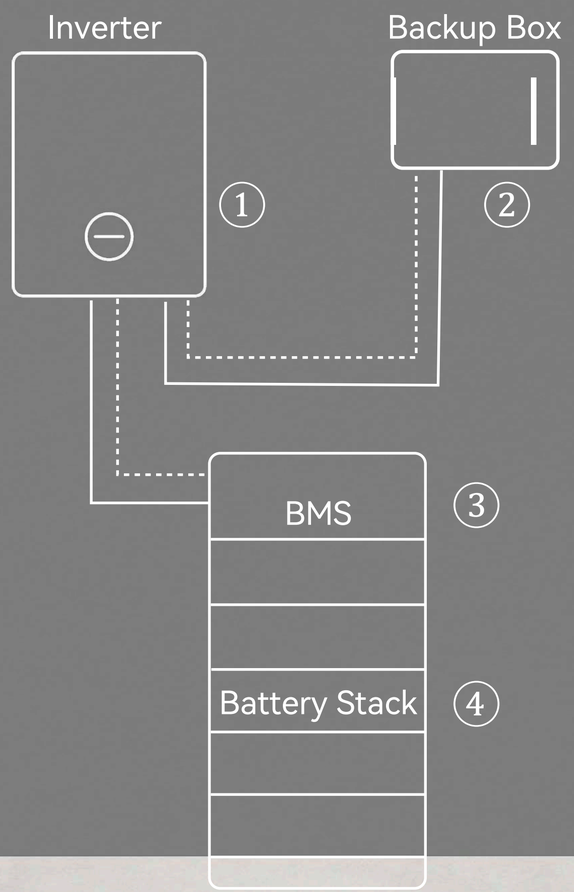
HYBRID INVERTER

BMS

BACKUP BOX

2 VS 4

Unleash the Power of Integration



Modular Smarts

Traditional

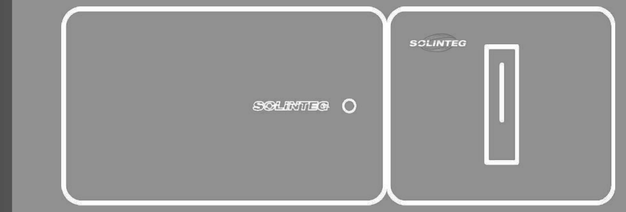
ALL IN ONE, ONE FOR ALL

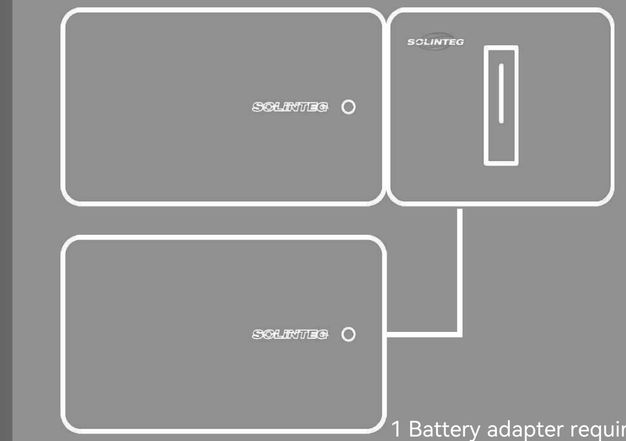
COMPLEXITY & COSTLY

SOLINTEG

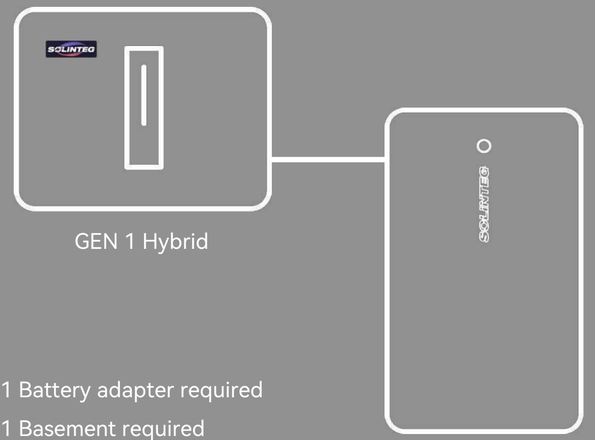


Use alone





1 Battery adapter required



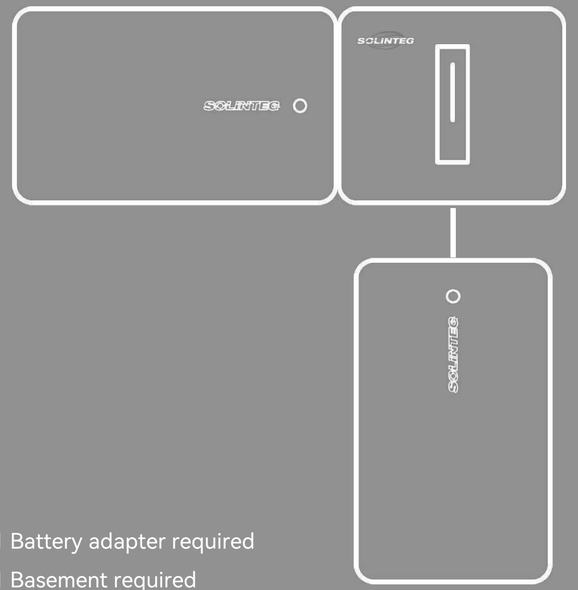
GEN 1 Hybrid

1 Battery adapter required

1 Basement required

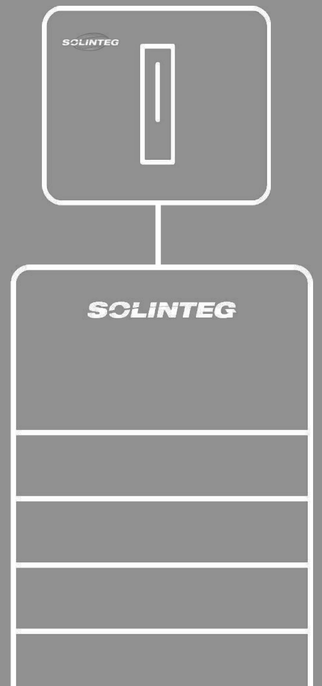
>7

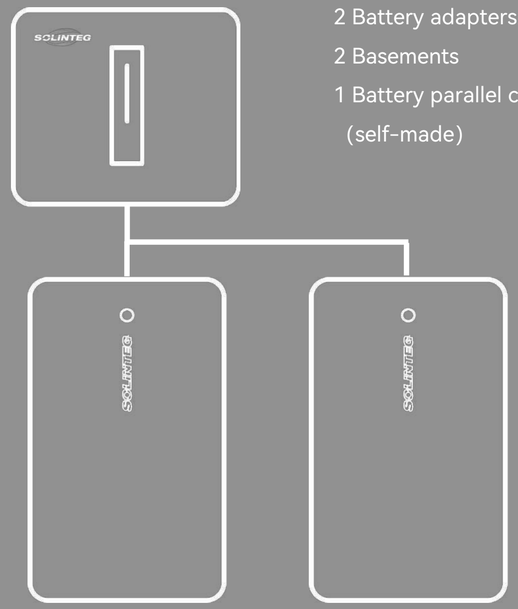
Ways of Flexible Combination



1 Battery adapter required

1 Basement required





2 Battery adapters

2 Basements

1 Battery parallel cable

(self-made)





Every Minute Counts

TOUCHLESS

SEAMLESS

WIRELESS

Touchless battery terminal installation, safer than operation in LV battery

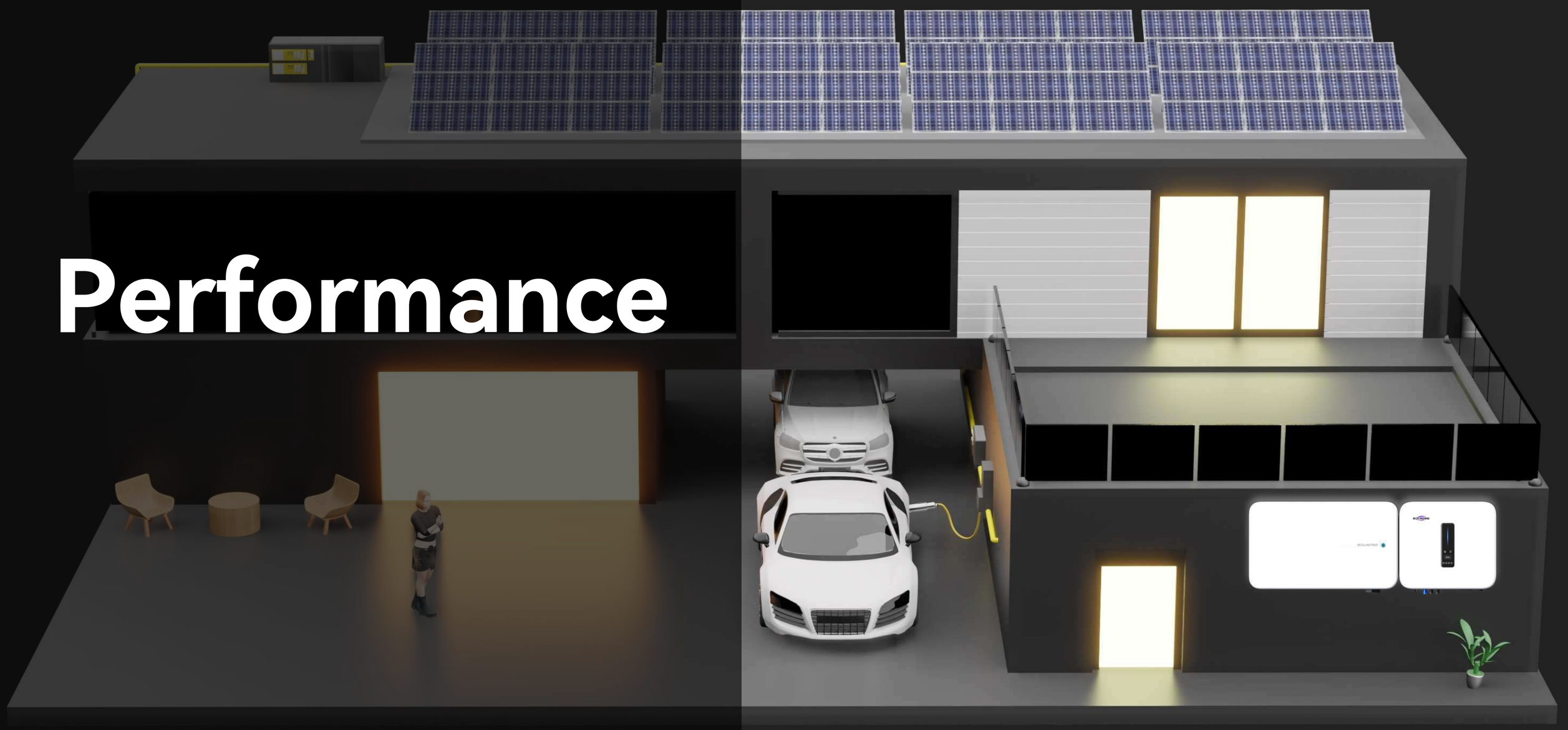
Battery and inverter seamless attached, zero tolerance for cable damage

Wireless battery connection saves installation costs and time

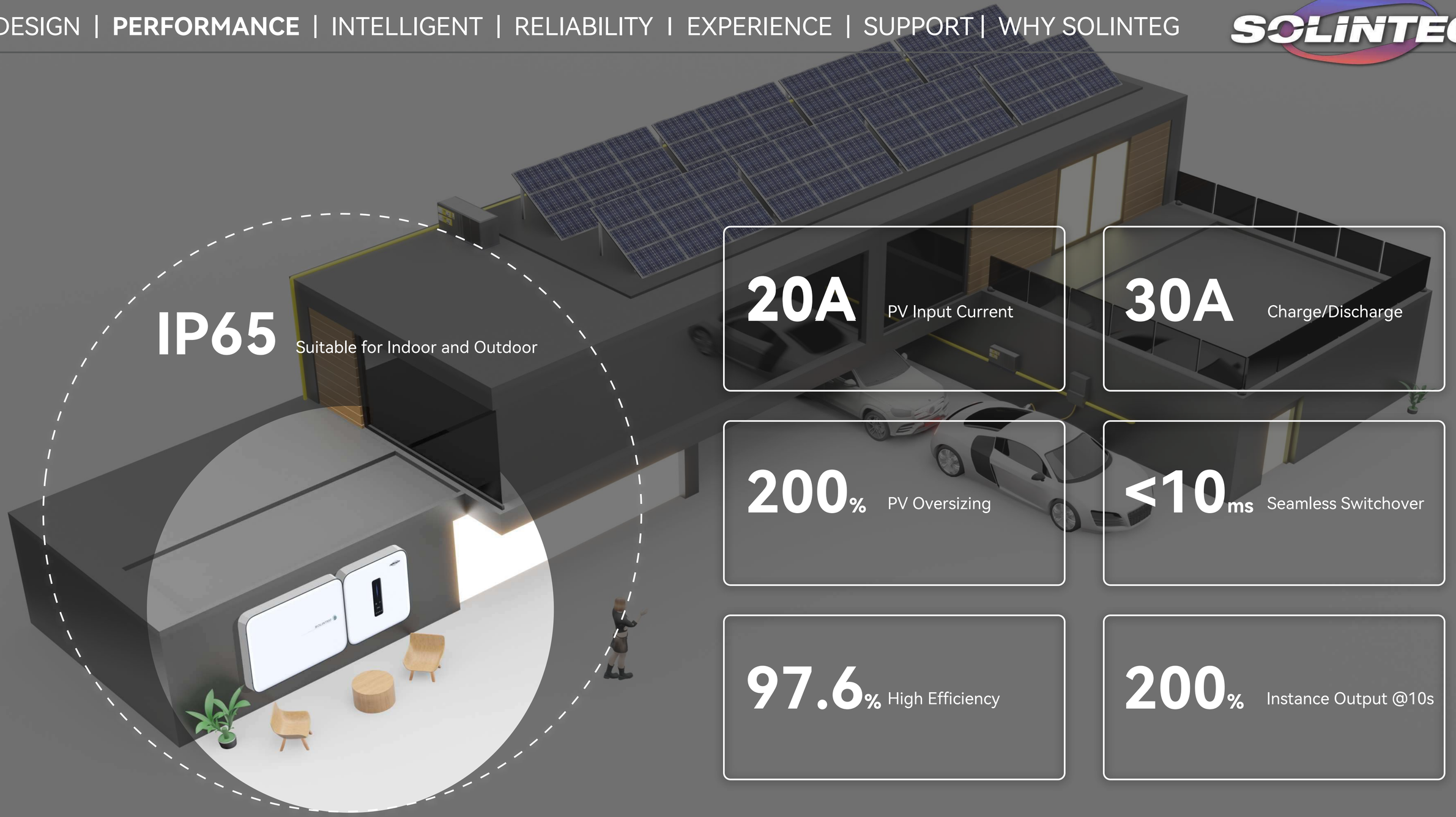
SAFETY

Your Safety is Our Top Priority

Performance



SOLINTEG



IP65 Suitable for Indoor and Outdoor

20A PV Input Current

30A Charge/Discharge

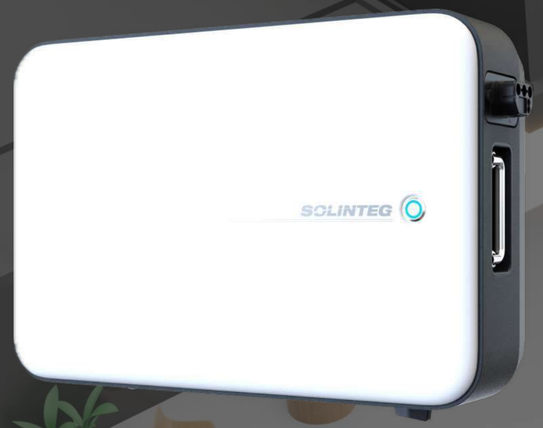
200% PV Oversizing

<10ms Seamless Switchover

97.6% High Efficiency

200% Instance Output @10s

EBA-B5K1
AIO BATTERY



20AH
Battery Capacity

Up to **95%**
Depth of Discharge

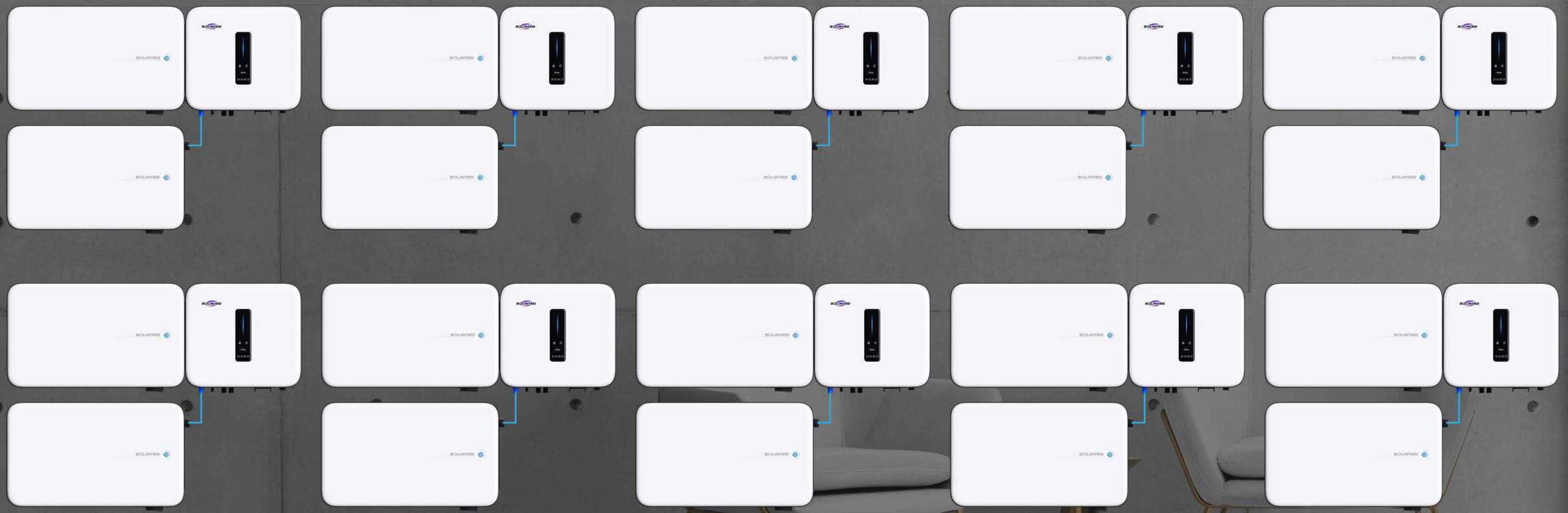
1C/20A
Continuous charging/discharging

6000
Life Cycles @90% DOD

IP65
Suitable for Indoor and Outdoor

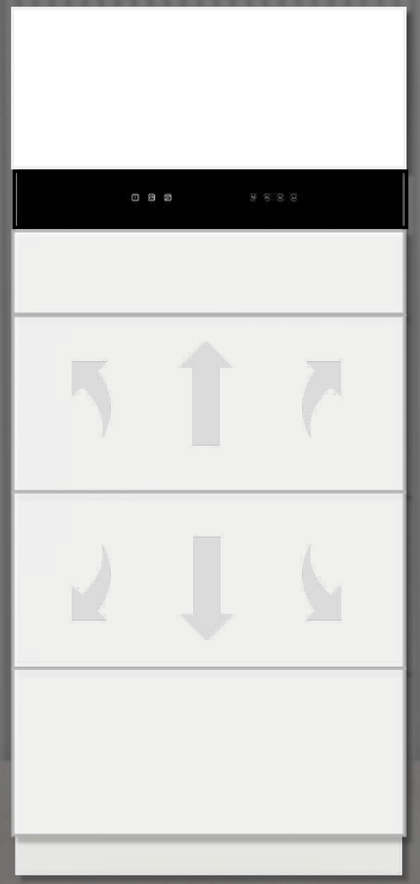
256V
Nominated Voltage

START FROM 1, SCALABLE UP TO 10 FOR THE FUTURE



3-60KW INVERTER SYSTEM

5.12-102.4KWH BESS





COOL

Cool is not an attitude, it’s a working status

HEAT CONDUCTION EFFECT

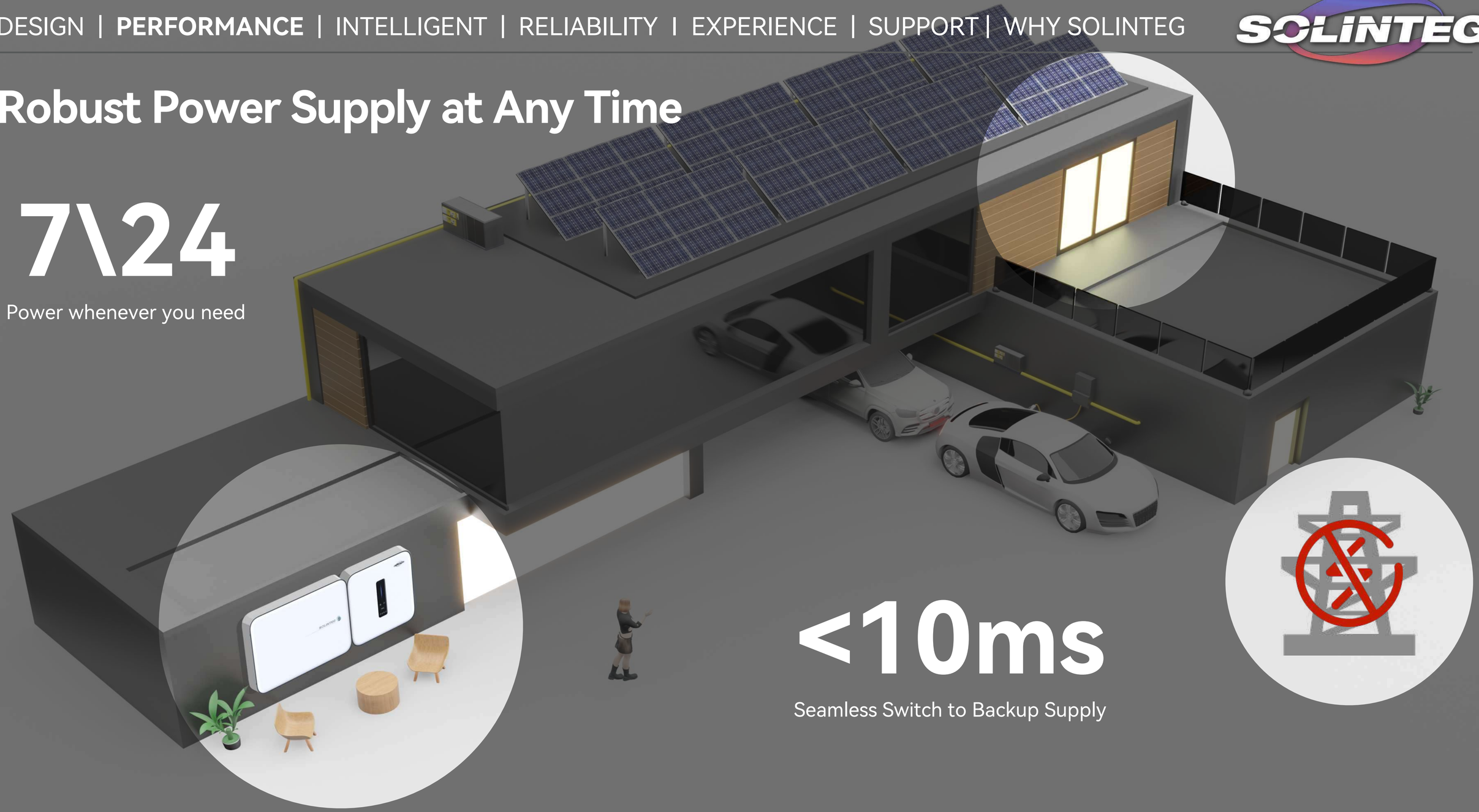
LOWER OPERATION TEMPERATURE

INDEPENDENT HEAT DISSIPATION

Robust Power Supply at Any Time

7\24

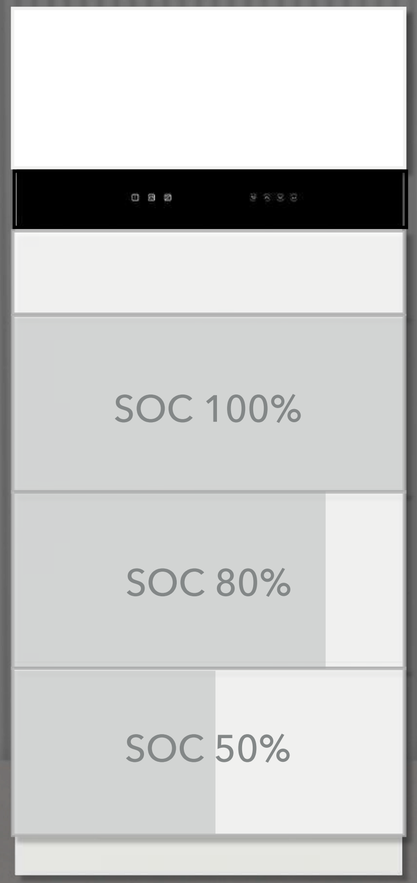
Power whenever you need

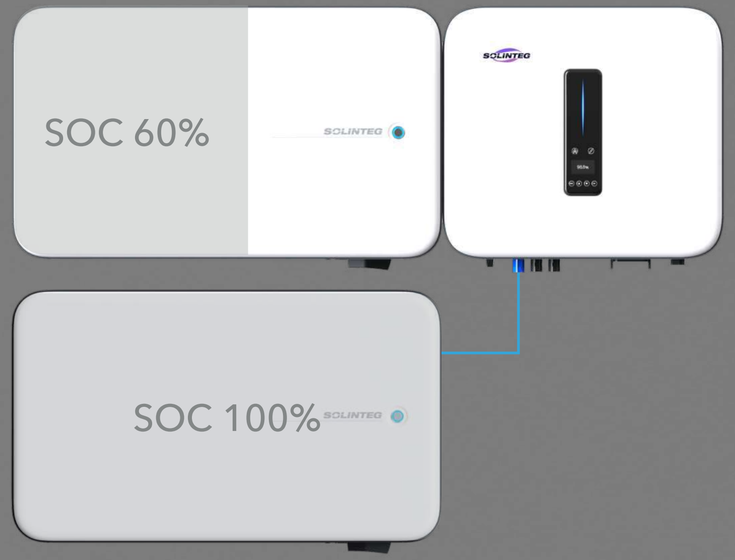


<10ms

Seamless Switch to Backup Supply

Required SOC Consistency





1 HOUR

Battery full charge, fast react to your trading or consumption demand

SOC

No SOC consistency required, simply add battery as you need

DC/DC

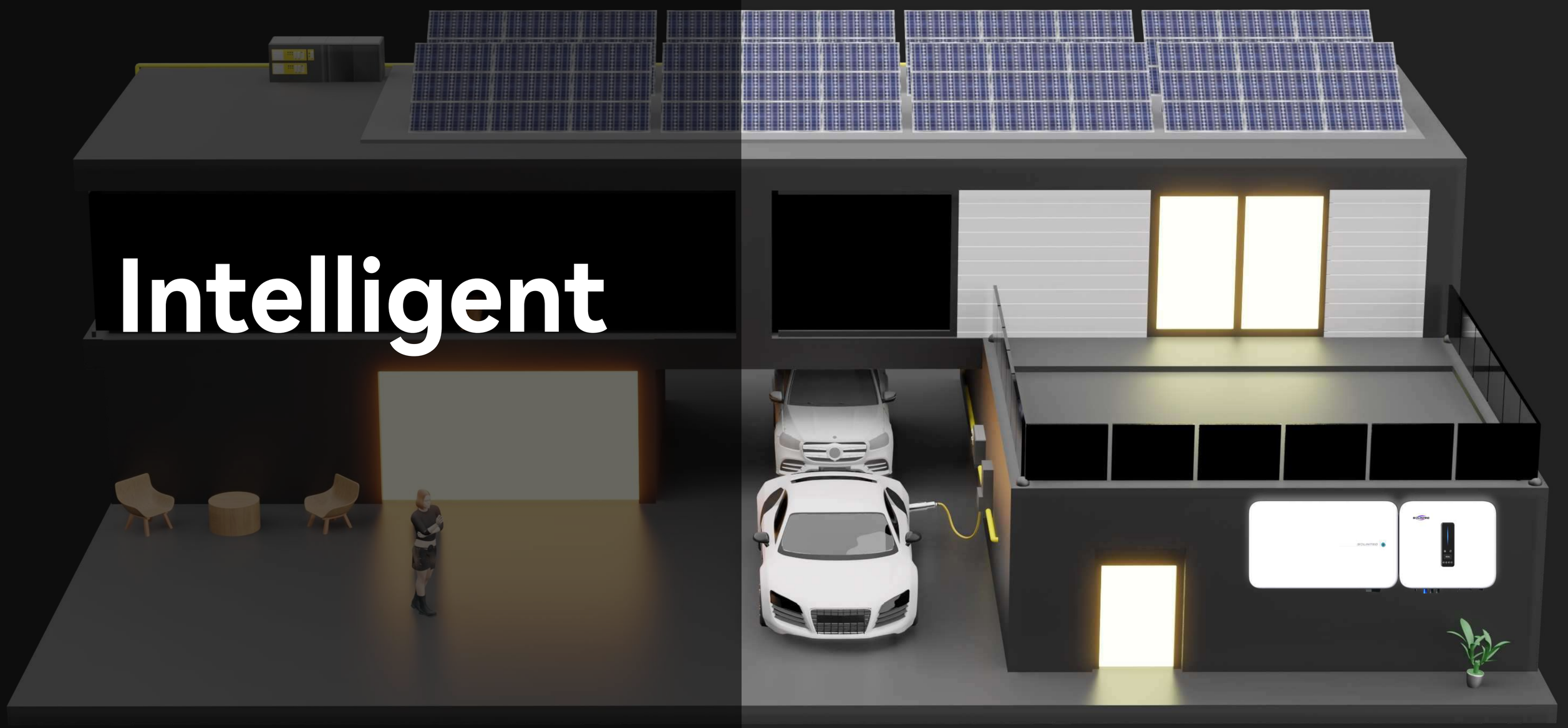
No extra cost for DC/DC booster, simply add battery at a competitive cost

BUCKETS EFFECT

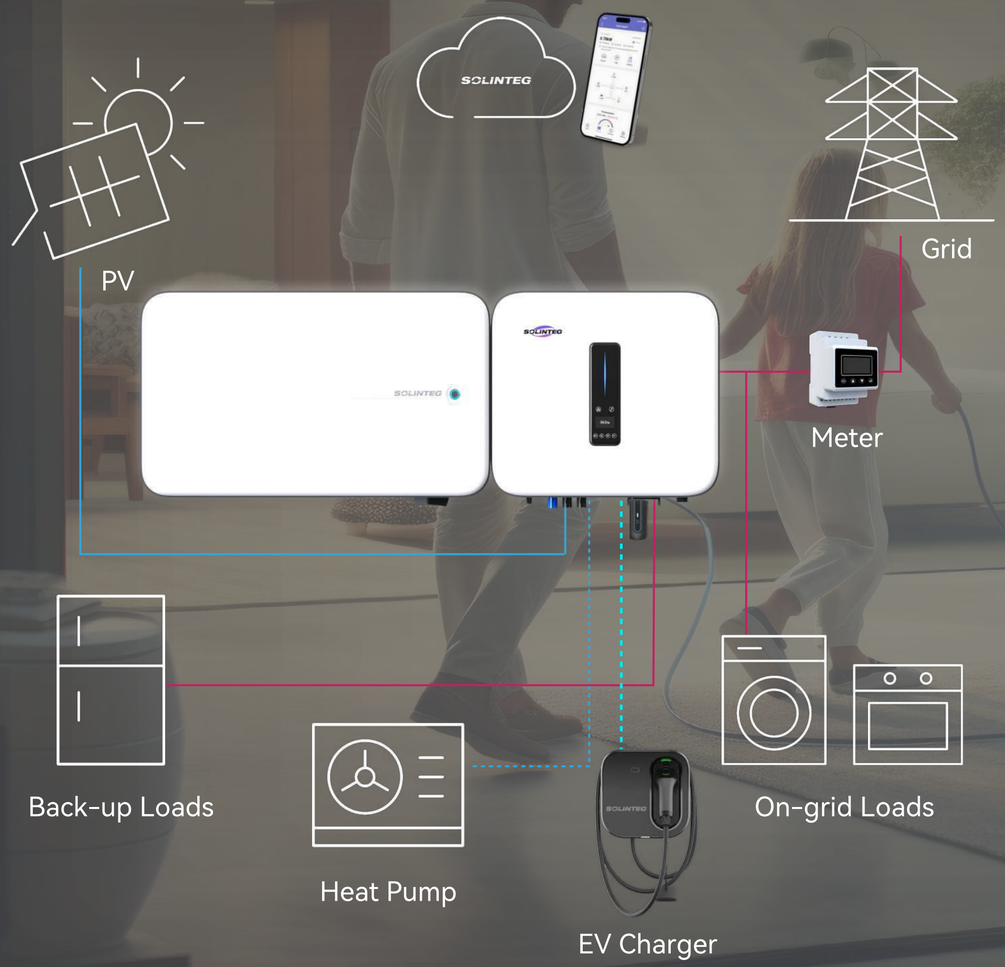
BATTERY PARALLEL, NO BUCKET EFFECT

SOLINTEG

Intelligent



Smart EV Charging Solution



SCHEDULE

Max. Enjoy technology

FAST/ECO

Charge as fast as possible

Max. Bill-saving

GREEN

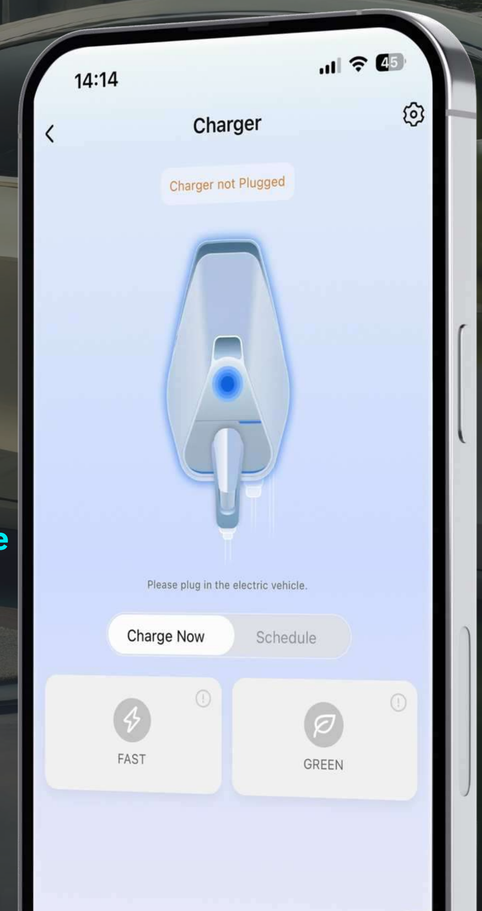
Charge with PV & BAT excess power

Max. Cost-effective

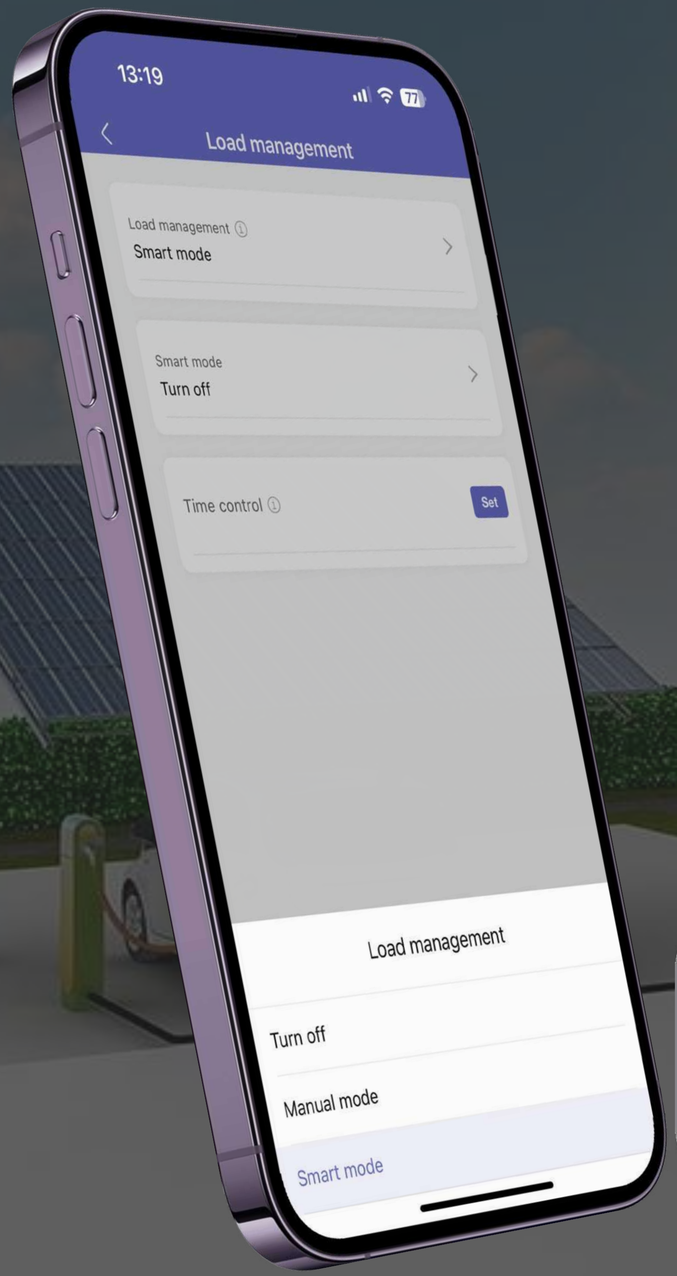
COMMUTE*

Charge according to your daily plan

Commute mode is under development



SOLINTEG



SG Ready Smart Heat Pumps

Smart Heating Control Solution

ECONOMIC

Heating your heat pump with excess PV power directly or power stored in your battery

INTELLIGENT

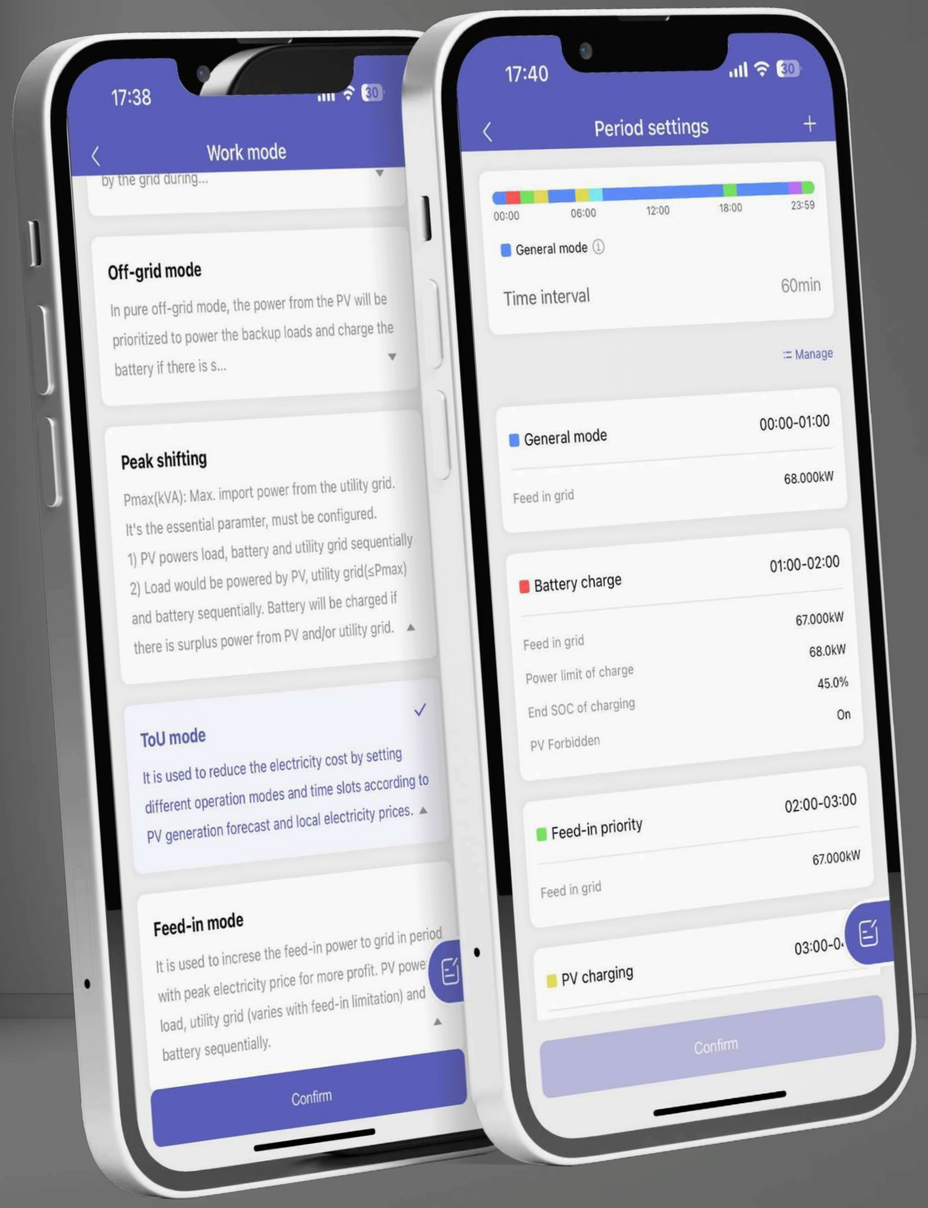
Scheduling heat pump operations for your household's routine

CONVENIENT

Heating your heat pump whenever you want at your finger tips

Note: An additional control device is required for the SG-ready heat pump smart control

SOLINTEG



Maximize Your Yield with Powerful ToU

1

One mode including various mode combinations for great flexibility

24

Up to 24 time slots for energy convenience & maximize system yield

3

15/30/60min three time interval options meet your demanding requirements

TOU MODES

Feed-in mode, feed to grid first

Peak shifting, avoiding power over quota

General mode, Loads > Battery > Grid

PV charging, PV charge battery first

Battery charge, charge from PV and grid

Battery discharge

6

Six work modes can be selected under this mode

Numerous EMS Compatibility for Max Energy Self-sufficiency & Benefits

ENIRIS

meteo control

envitron

enjoyelec

SMARTFOX®

LOXONE

qenergy

Home Assistant

OPEN API

for enhancing system energy management convenience

LIFEPOWR

MORE ON THE WAY

SOLAR MANAGER
Eigenverbrauch optimieren

smart 1®

SUPREME FLEXIBILITY BORN FROM WIDE COMPATIBILITY

Dynamic Price Respond Strategy

AUTO

Auto switch on the export limit when zero or negative price appears

FAST

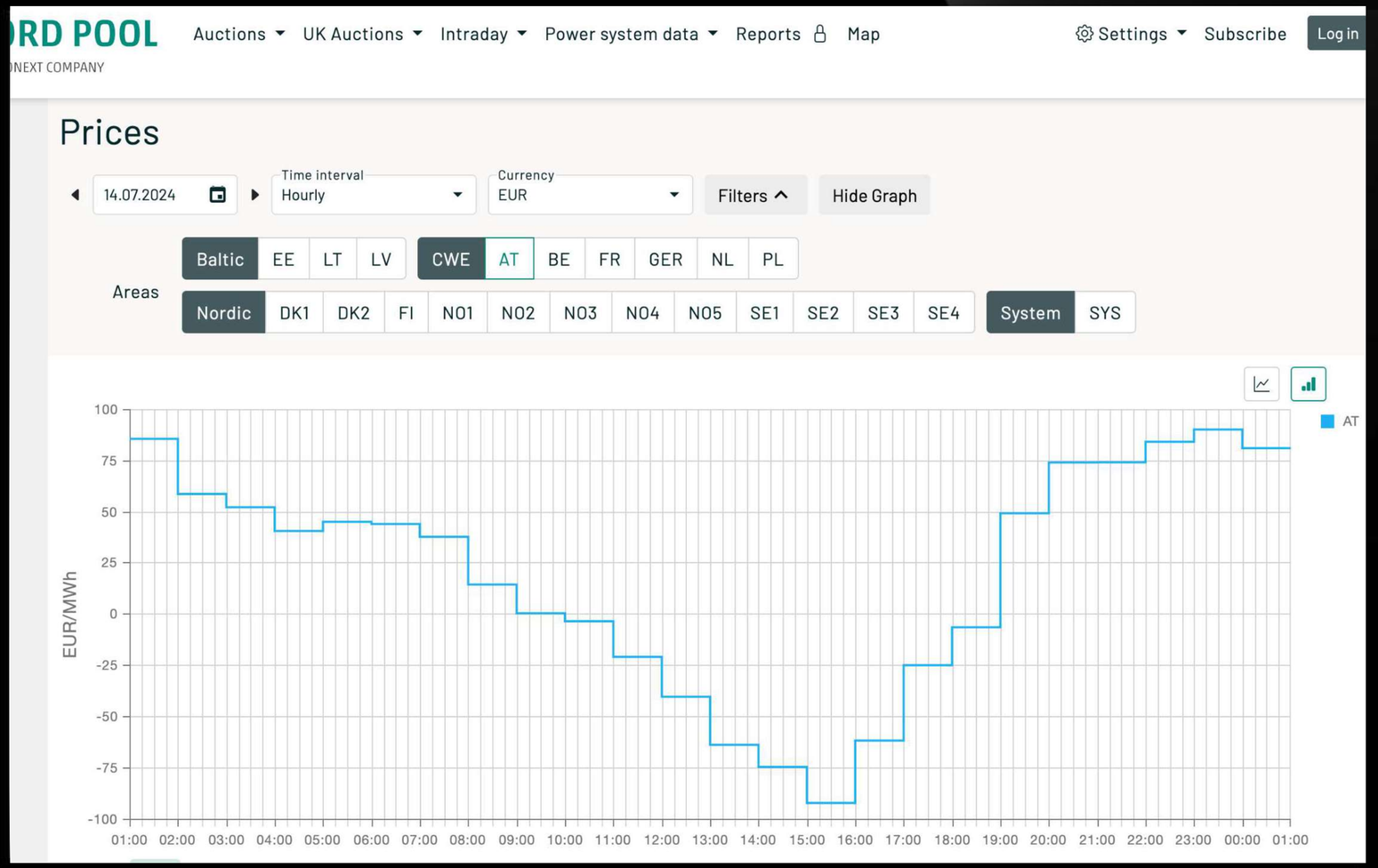
Fast react to different work modes according to the real-time price

MAX

Maximize system yield and activate various work modes based on the threshold value

MULTI

Multiple spot markets API will be integrated soon, such as Entso-e, Nordpool, etc.



Note: This function will be available in late Q4 2024

SOLINTEG

INTUITIVE

Simple, vivid design makes our app easy for anyone to use

EXPANDABLE

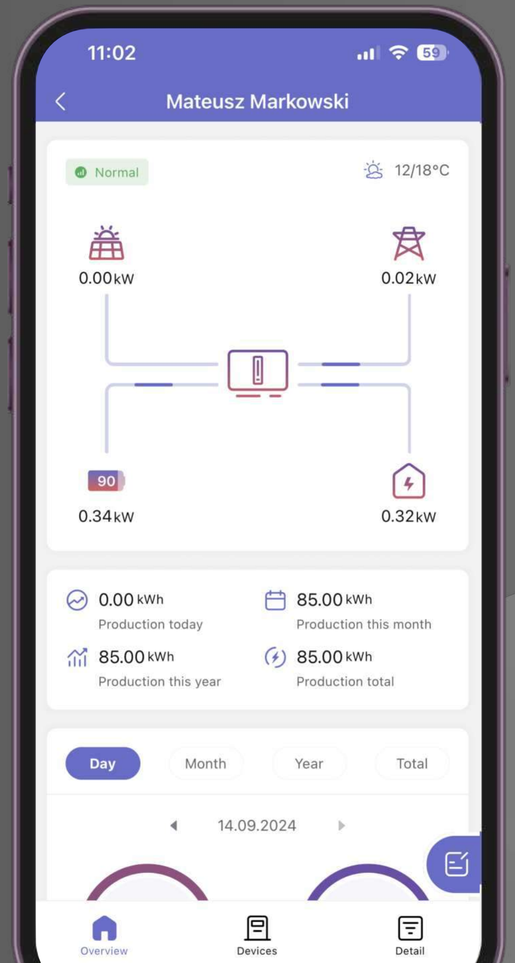
Robust design framework for easy integration of third-party devices

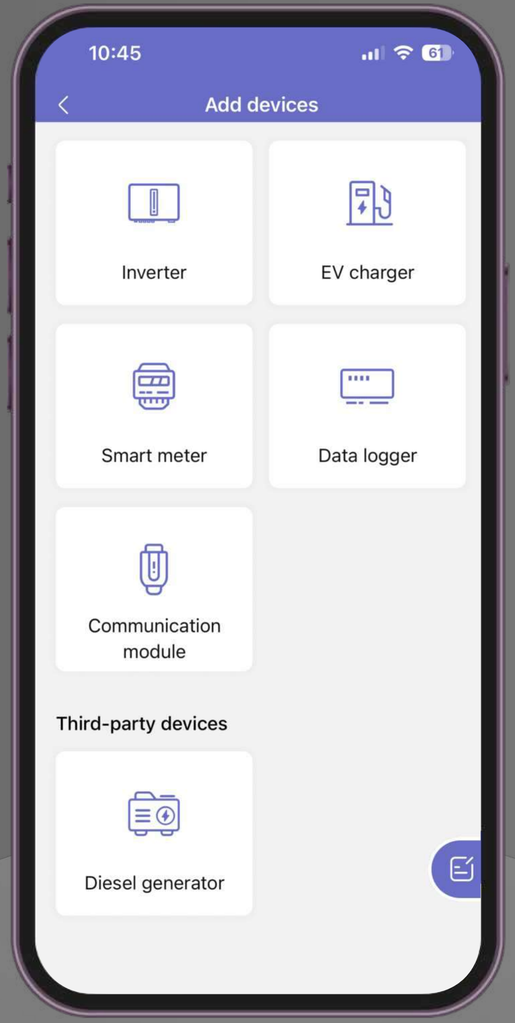
CONVENIENT

All your system generation and consumption is at your fingertips

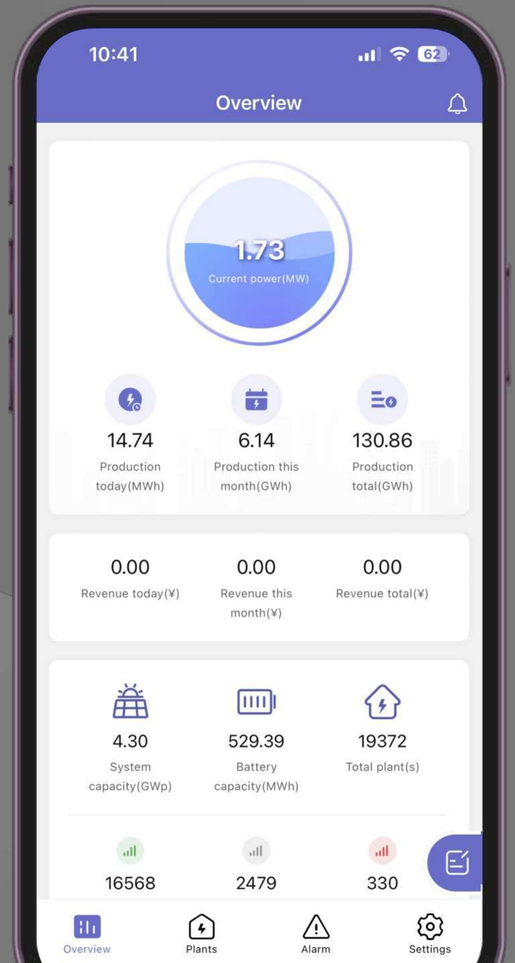
CUSTOMIZE

Self-developed App provides instant responses and tailored solutions to meet your specific needs

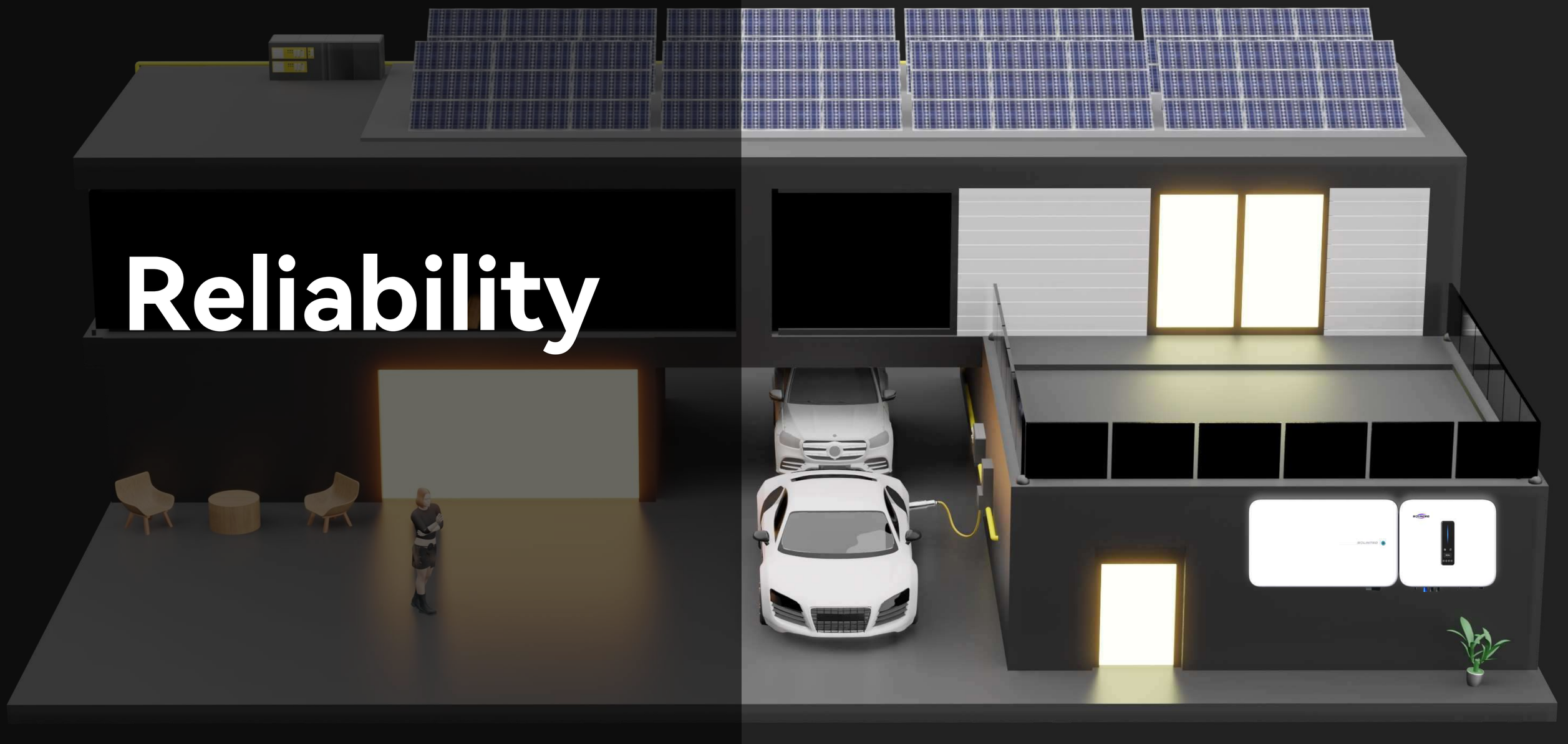




IntegHub2.0



Reliability



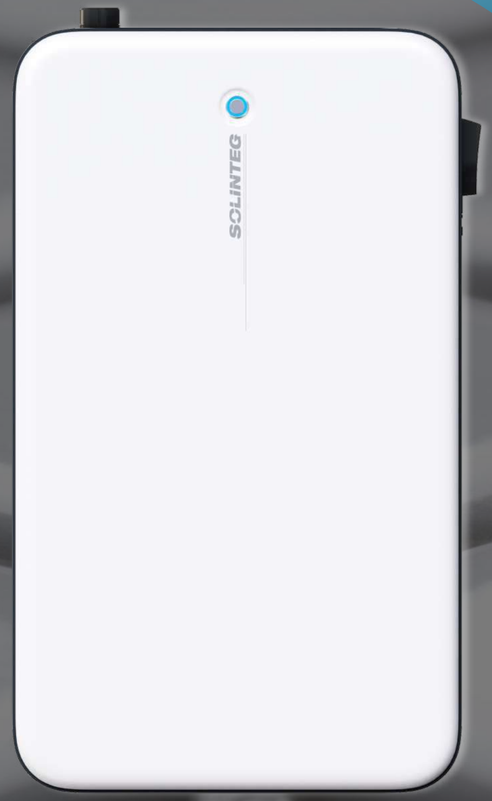
IP65 System Protection, Suitable for Outdoor Operation



IP66 DC Switch Protection

IP67 Terminals Protection

Ultimate Safety Born from 6 Layers Protection



EBA-B5K1
AIO BATTERY

Insulation Protection

High temperature-resistant insulation pads around the battery module for all-round insulating protection.

Integrated Fire Control

Built-in aerosol fire extinguisher releases aerosol cloud in 2s to rapidly absorb heat and curb the fire's spread.

Over-pressure Protection

Built-in waterproof ventilation valve maintains pressure balance and directs smoke release in case of thermal runaway, minimizing damage to adjacent equipment.

Cell Equalization Protection

Adding silicone pads between cells improves insulation, reduces cell temperature difference, and extends battery life.

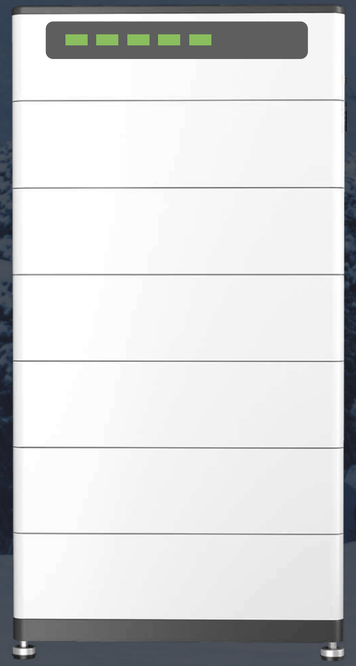
Over-temperature Protection

With 13 temperature sensors monitoring battery temperatures constantly and accurately, managing energy efficiently and providing early warnings for potential risks.

Active DC Power Cut Protection

DC switch supports active cut-off when detecting battery over voltage or over temperature for maximum battery safety and balance.

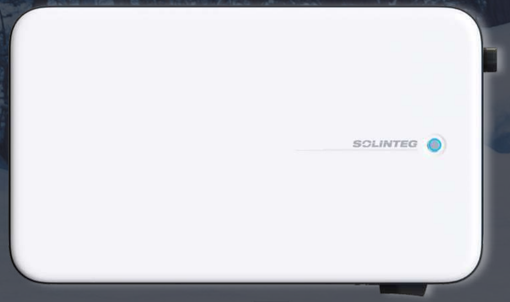
Ultimate Battery Performance Even at -20℃



Industrial Average
-0℃ ~ 55℃ Charge/Discharge

SOLINTEG BMS

Version 1 For Tropical & Subtropical Areas

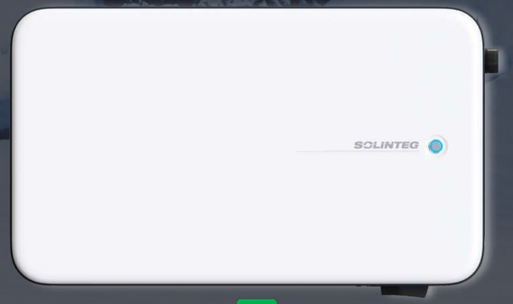


Industrial Advanced
0℃ Charge/-10℃ Discharge

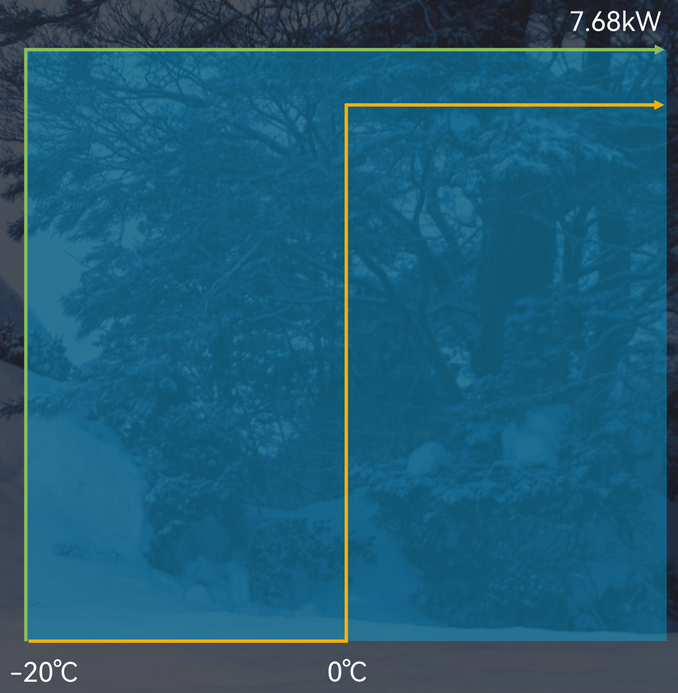
SELF-HEATING

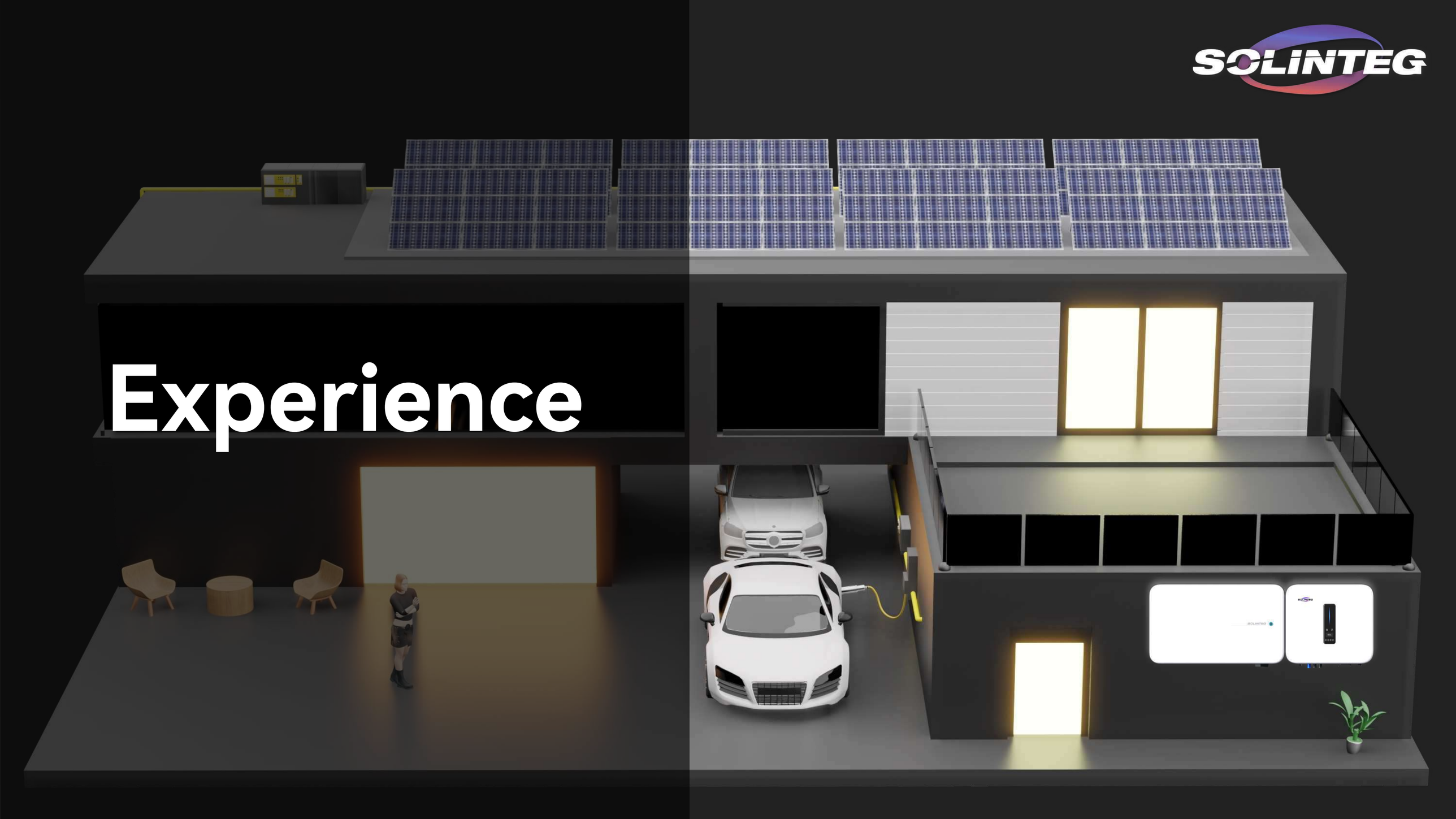
SOLINTEG BMS

Version 2 For Temperate & Frigid Areas



Solinteg
-20℃ ~ 55℃ Charge/Discharge




SOLINTEG
Experience









SAVES

Battery cabling cost

Installation time

Installation worker



OPTIMIZES

Heating dissipation

IP protection for outdoor use

System expansion convenience



DELIVERS

Long-term reliability

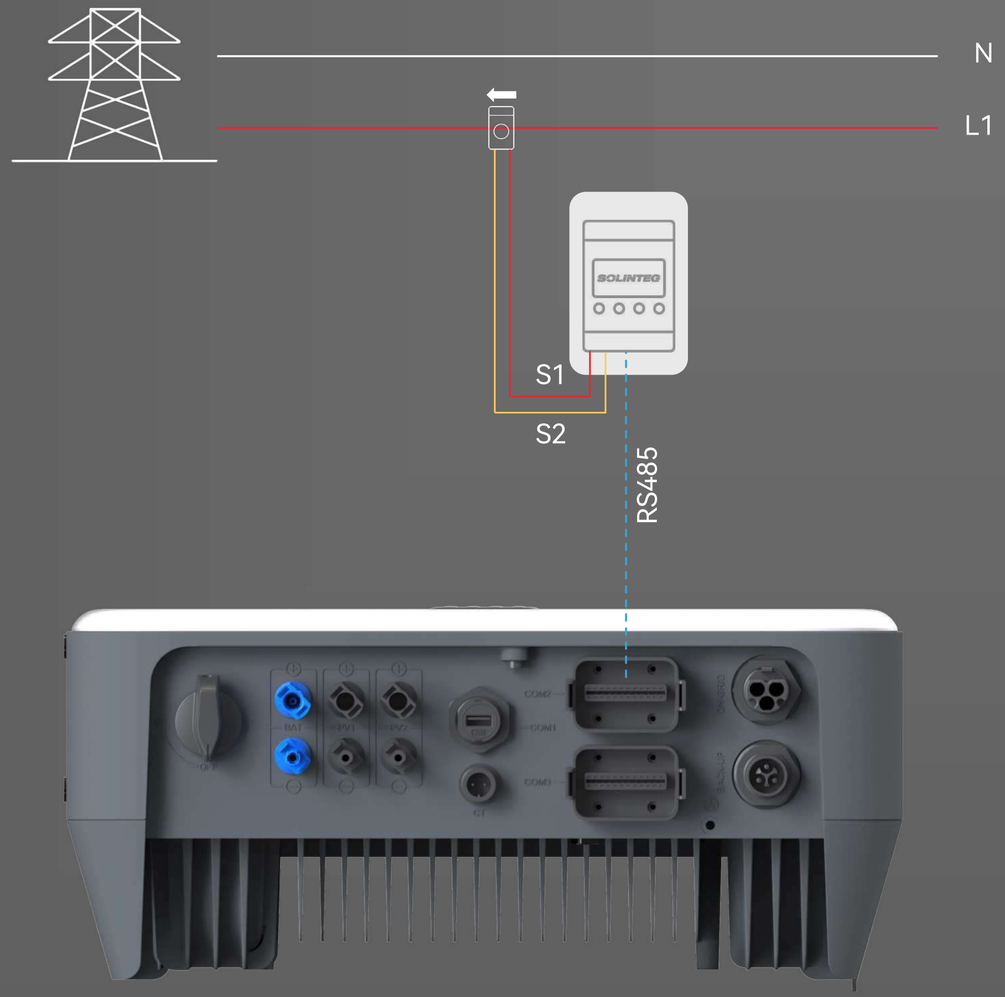
Dual ways data management

Higher safety due to terminals concealed



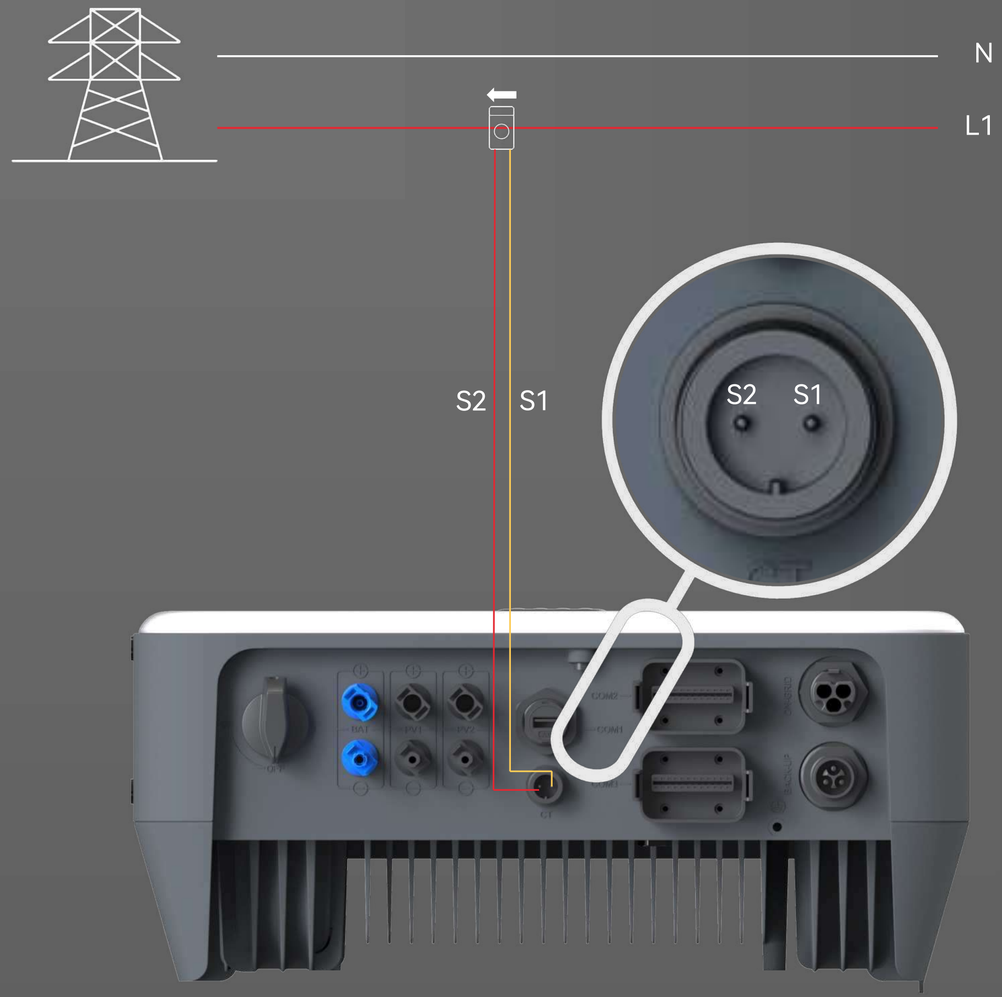
WITH METER

Suitable for applications that require more precise power dispatching and control of various parameters, such as active and reactive power.



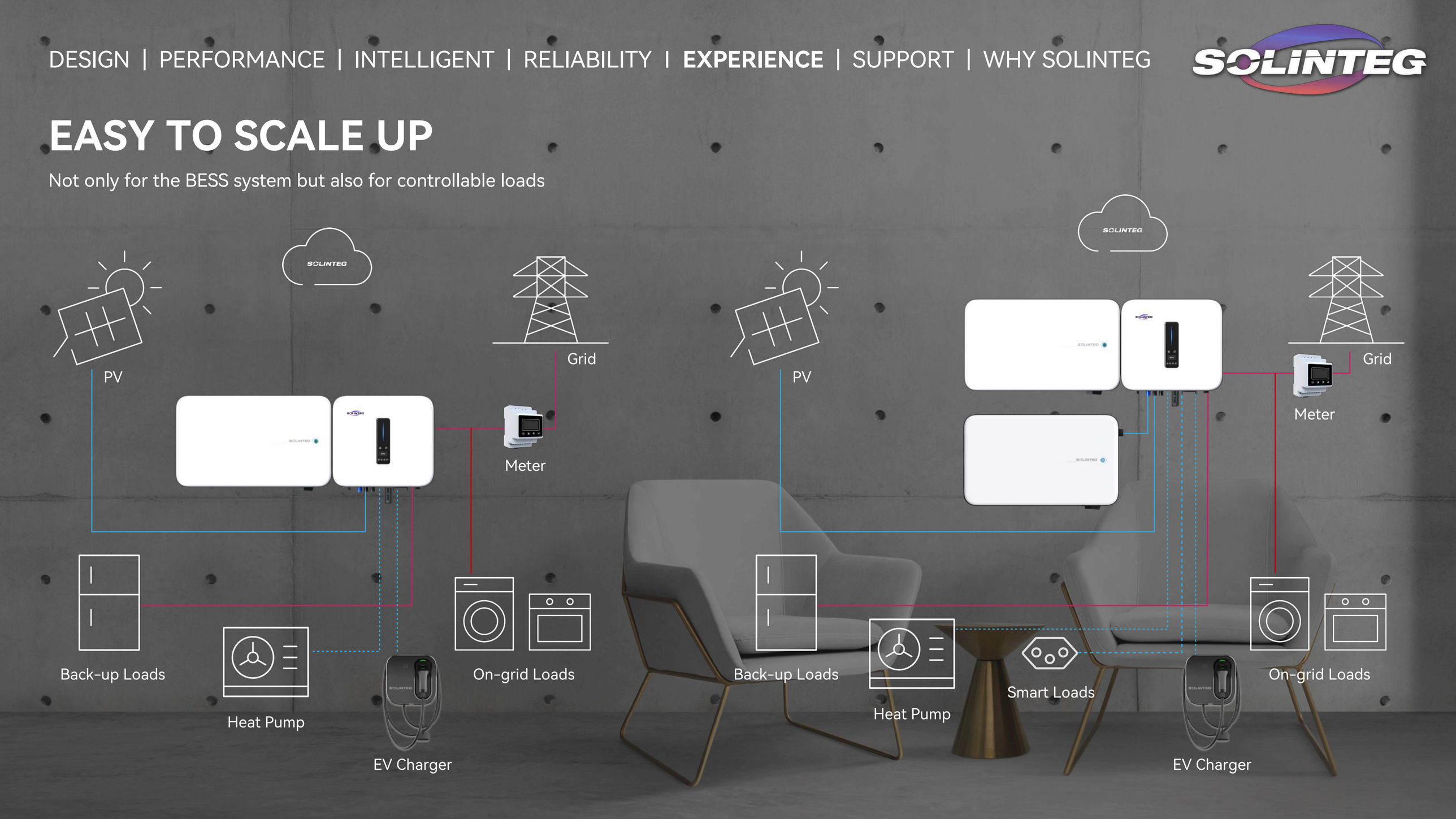
WITHOUT METER

Optimize system cost, simplify installation and avoid misoperation of Meter wiring caused system fault.



EASY TO SCALE UP

Not only for the BESS system but also for controllable loads



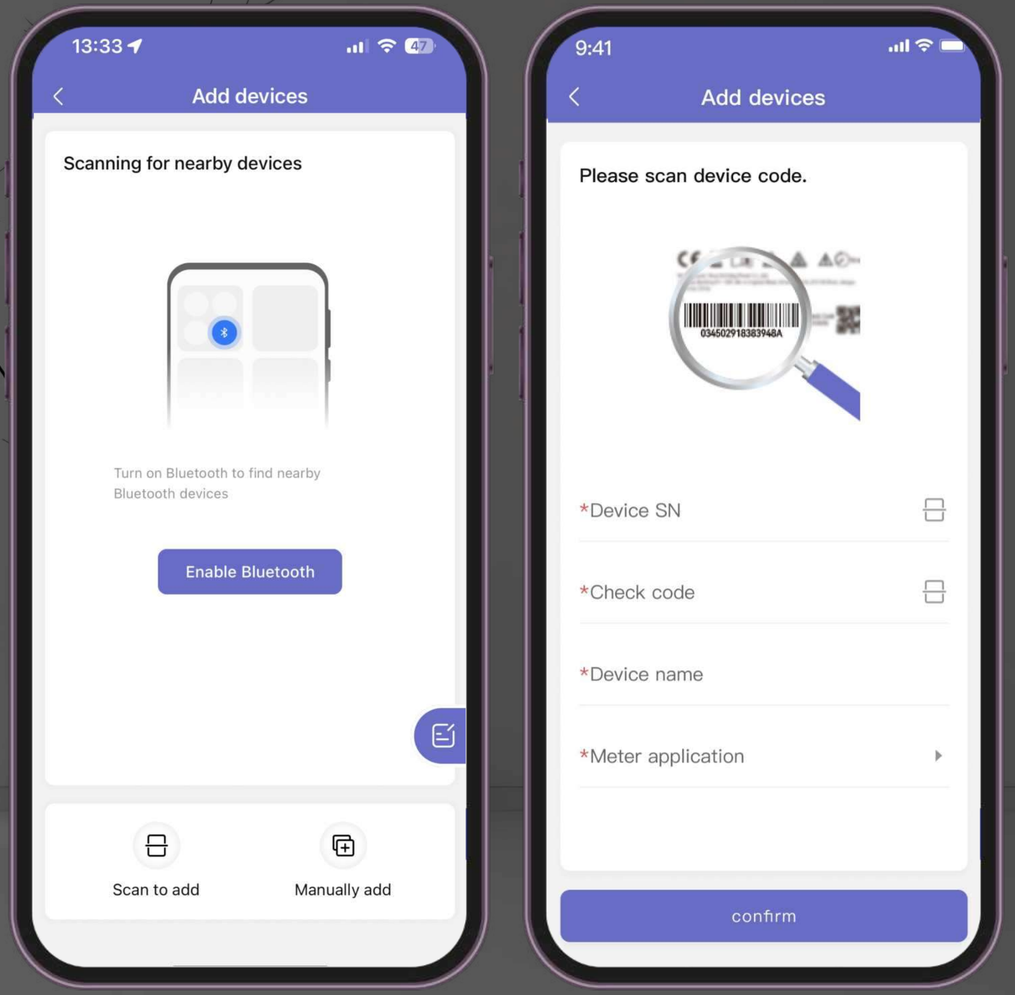


IntegLinker

BLUETOOTH | **OLED DISPLAY**

SIMPLICITY

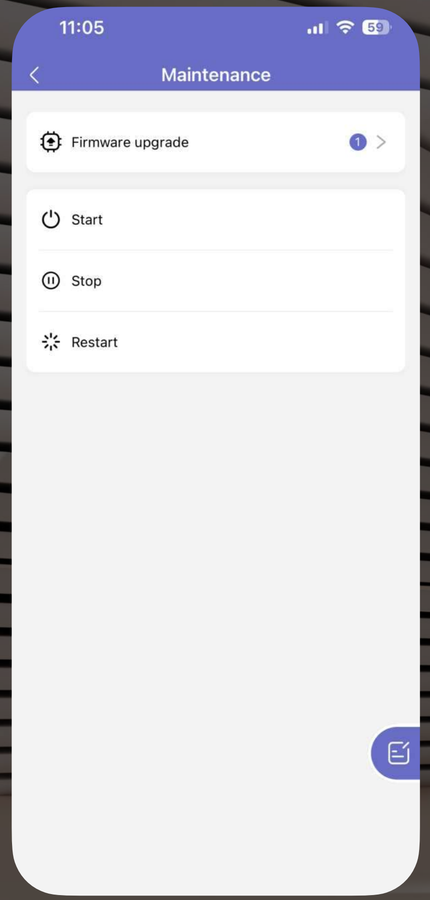
Get started of your Solinteg system from just a scan of **IntegLinker** on the **IntegHub** App



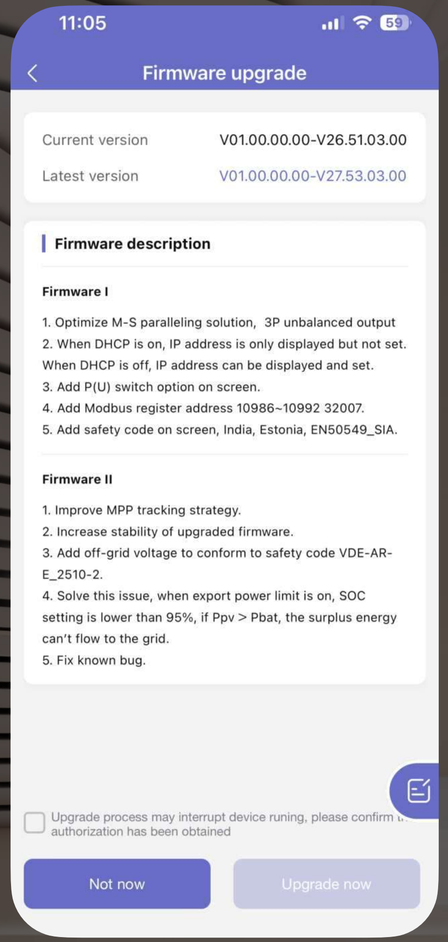
INTUITIVE SETUP

A hassle-free and reliable setup for all skill levels at both channels

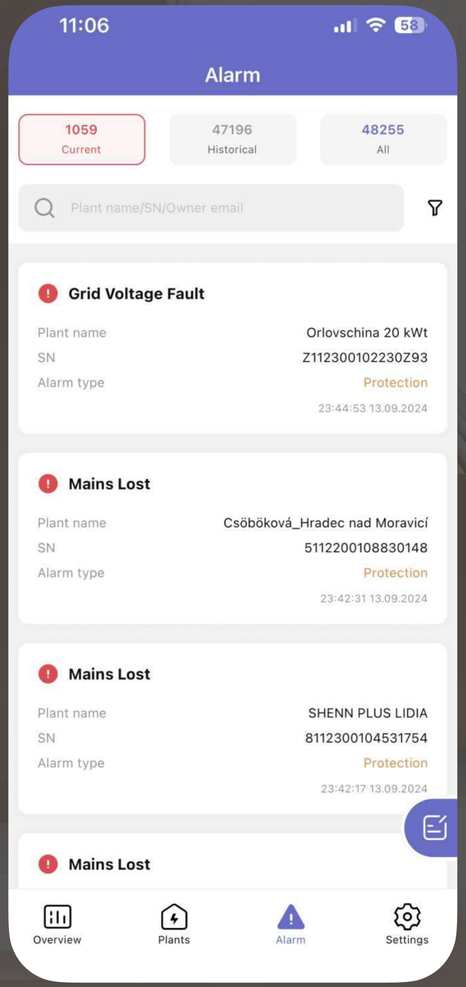
Time-saving / Convenient O&M at Your Fingertips



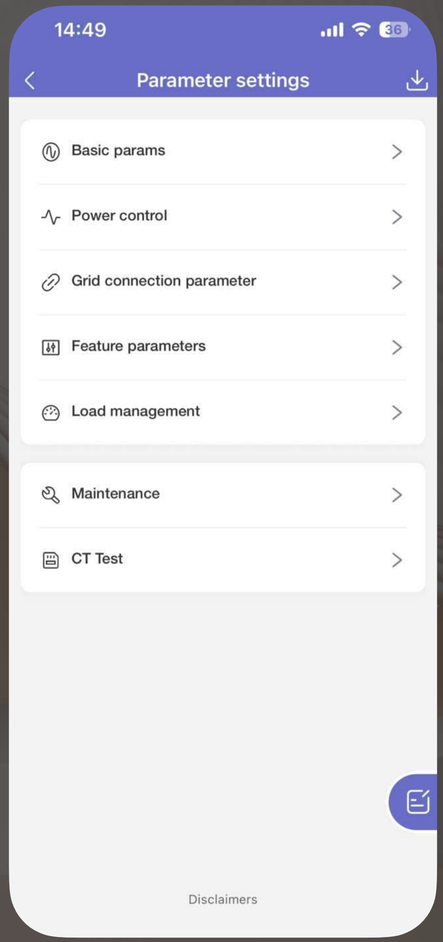
New Firmware Detect



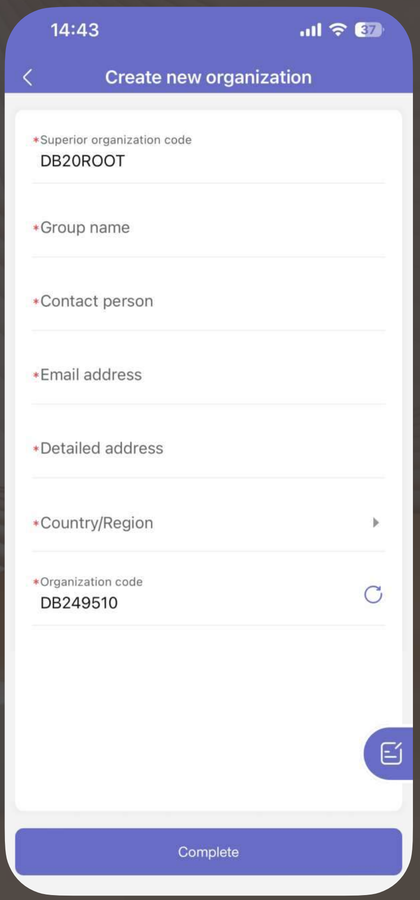
Schedule Upgrade



Fault Alarm



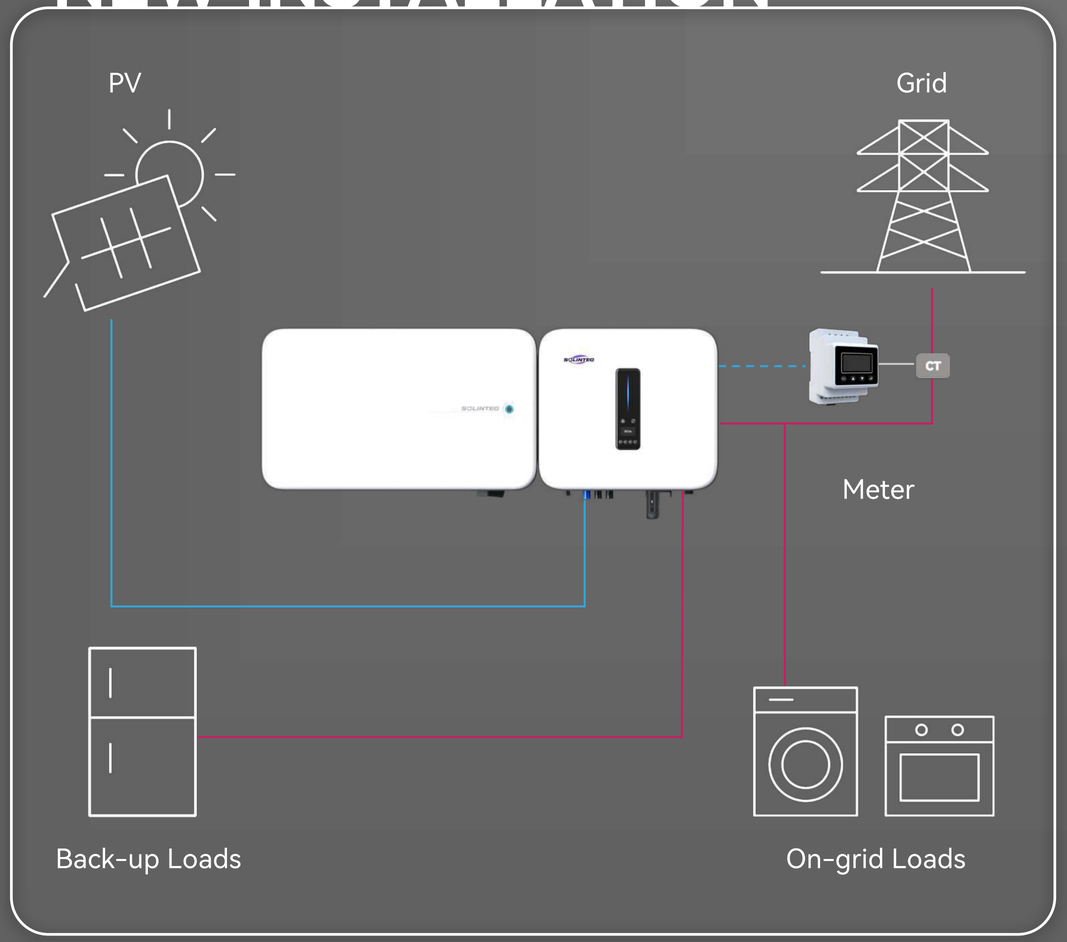
Remote Configure



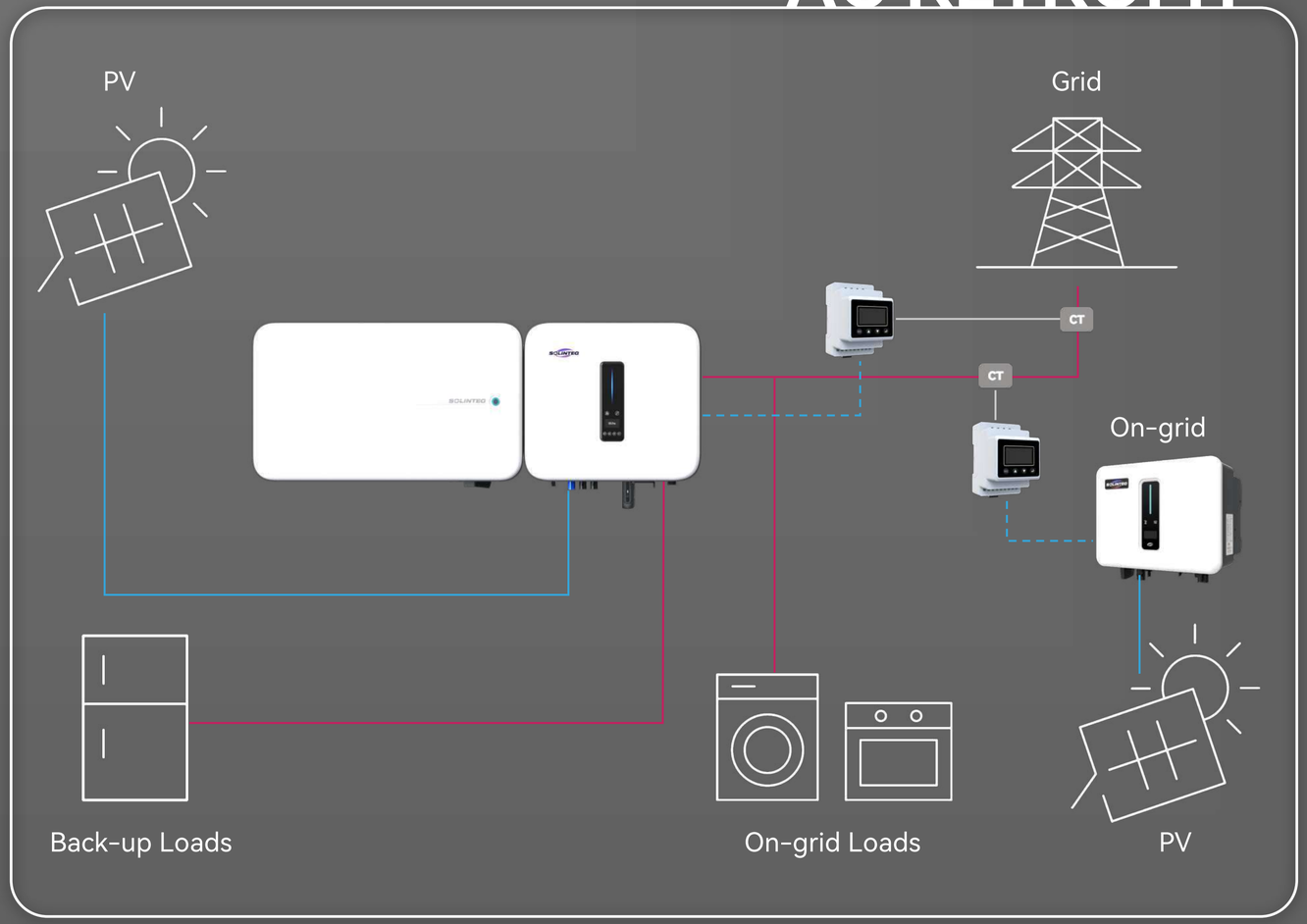
Organization Management

Flexibility in Application, Beyond Conventional

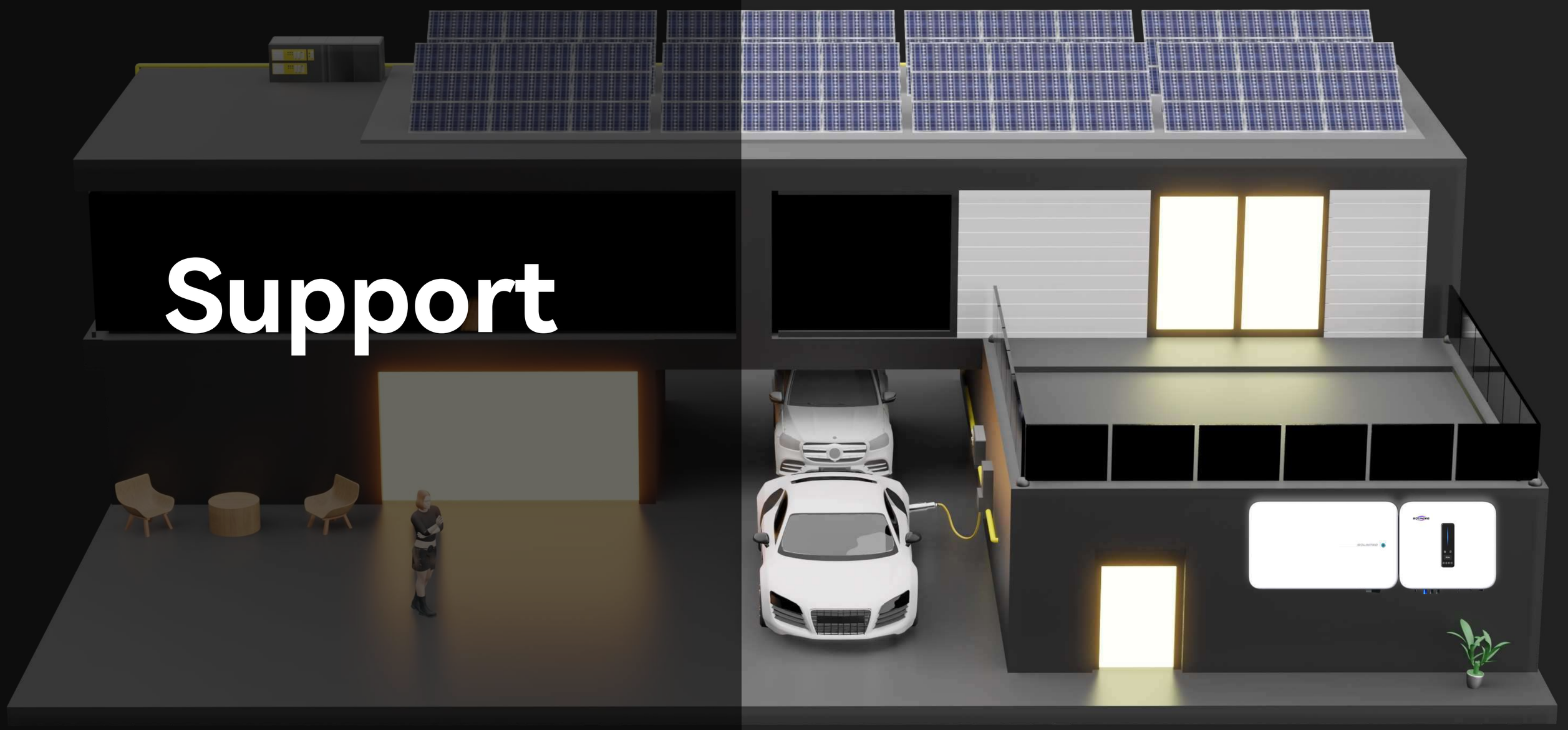
NEW INSTALLATION



AC RETROFIT



Support



All-round Professional Support for Your Business

SERVICE

7*24 Online service

Pre-sales Q&A support

On-site and online troubleshooting

Product replace and repair

System configuration and installation guidance

ACADEMY

Customer demand caring

Market investigation and analysis

Customer training

Solution development

Configuration and installation videos

ECO

3rd party EMS compatibility test

3rd party battery compatibility test

Project design and audit

Eco product management







Solinteg Empower You at Every Step

Operation Center, Munich, Germany
Service & Lab, Brno, Czech
Repair Center, Slovakia

HQ, Wuxi, China
R&D Center
Manufacturer

Sales & Service, Delhi
Sales & Service, Lahore

Sales & Service, Sao Paulo

India



Vietnam



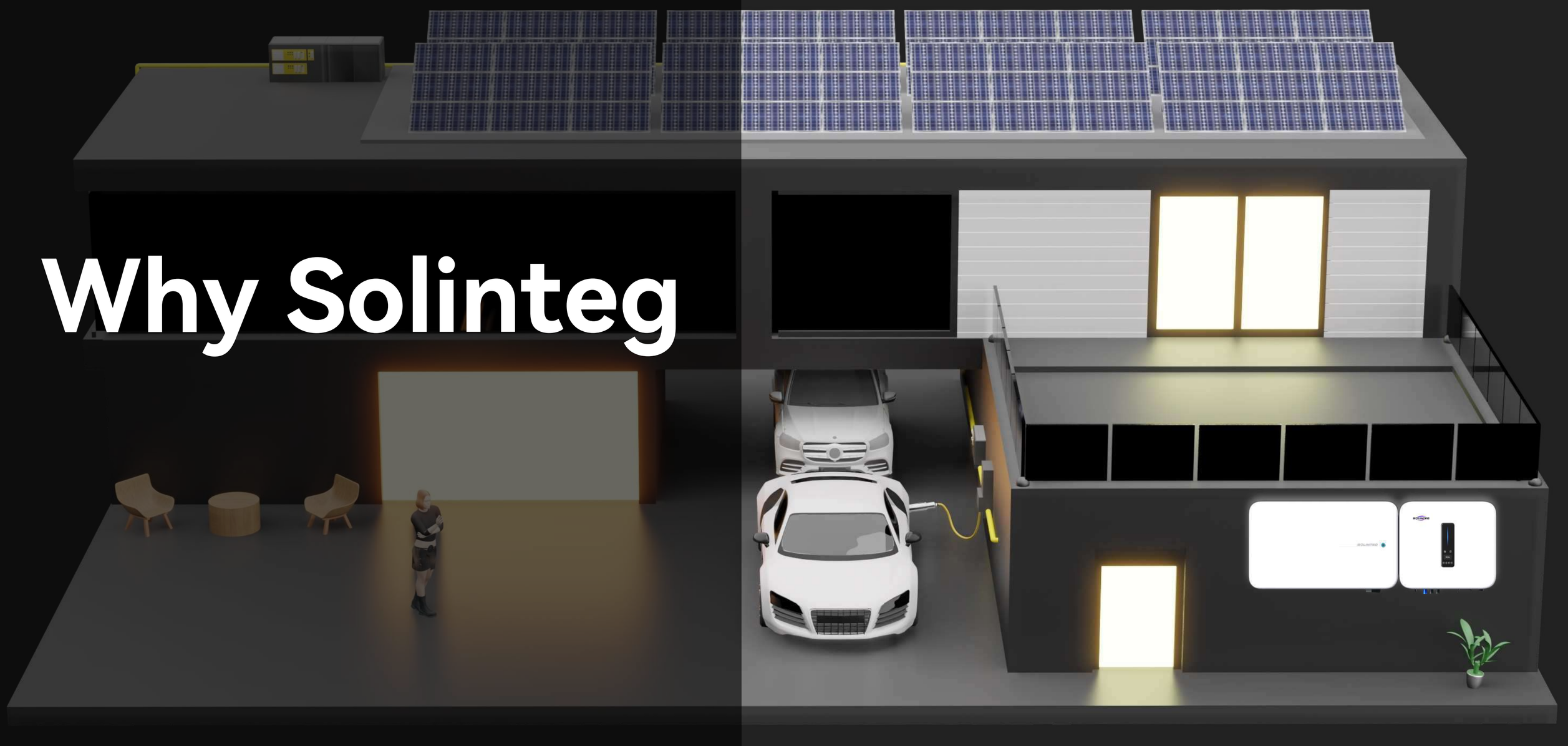
Brazil



EU



Why Solinteg



DESIGN | PERFORMANCE | INTELLIGENT | RELIABILITY I EXPERIENCE | SUPPORT | **WHY SOLINTEG**

SOLINTEG

WIRELESS BATTERY CONNECTION

>7 TYPES SYSTEM COMBINATION

1 HOUR CHARGE TO FULL

<25DB OPERATION

20A PV INPUT

4 PHYSICAL BUTTONS

97.6% EFFICIENCY

30A BATTERY CHARGE/DISCHARGE

5.12-102.4KWH CAPACITY EXPANSION

7/24H POWER SUPPLY

< 10MS SEAMLESS SWITCH

3-60KW SYSTEM EXPANSION

> IP65

-20~55℃ BATTERY OPERATION

BATTERY SELF-HEATING TECH



HEAT PUMP SOLUTIONO

EV CHARGER SOLUTION

EASY TO SCALE UP BATTERY
NO PRE-CHARGE REQUIRED

INDEPENDENT HEAT DISSIPATION

OPEN API

DYNAMIC PRICE

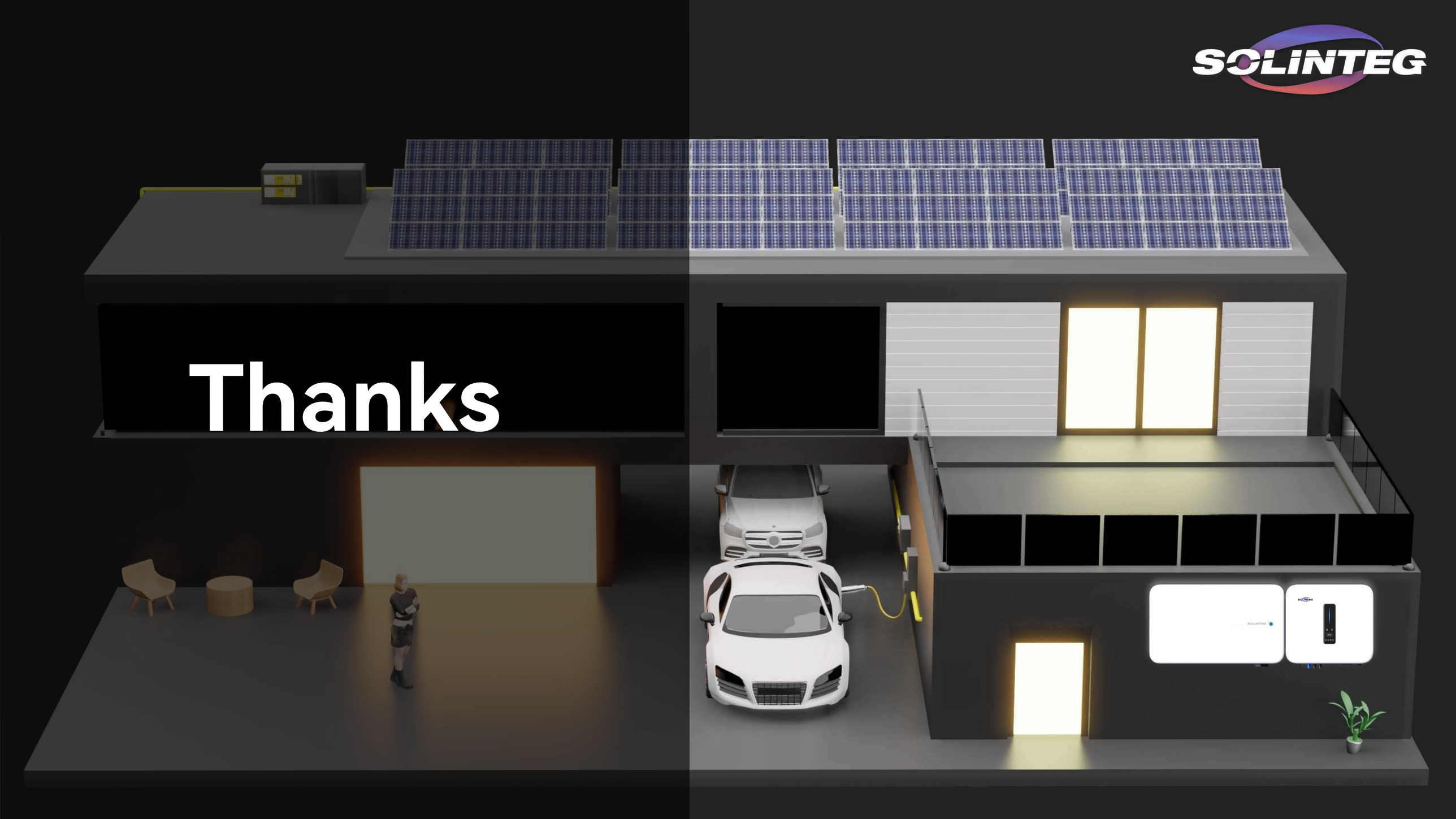
365 X 24 SUPER TOU

MULTI EMS COMPATIBILITY

O&M AT YOUR FINGERTIPS

TOU
6 MODES
24 PERIODS

SMART ENERGY MANAGEMENT


SOLINTEG
Thanks