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# ZENDURE

SuperCharged Ⓢ

## To Accelerate A Sustainable Future

Brand & Product Catalog

Founded in 2017, Zendure is one of the fastest-growing EnergyTech start-ups located in the technology hubs of Silicon Valley, USA, and the Greater Bay Area, China, Japan, and Germany.





## ☰ Purpose

Our purpose is to accelerate a sustainable future.

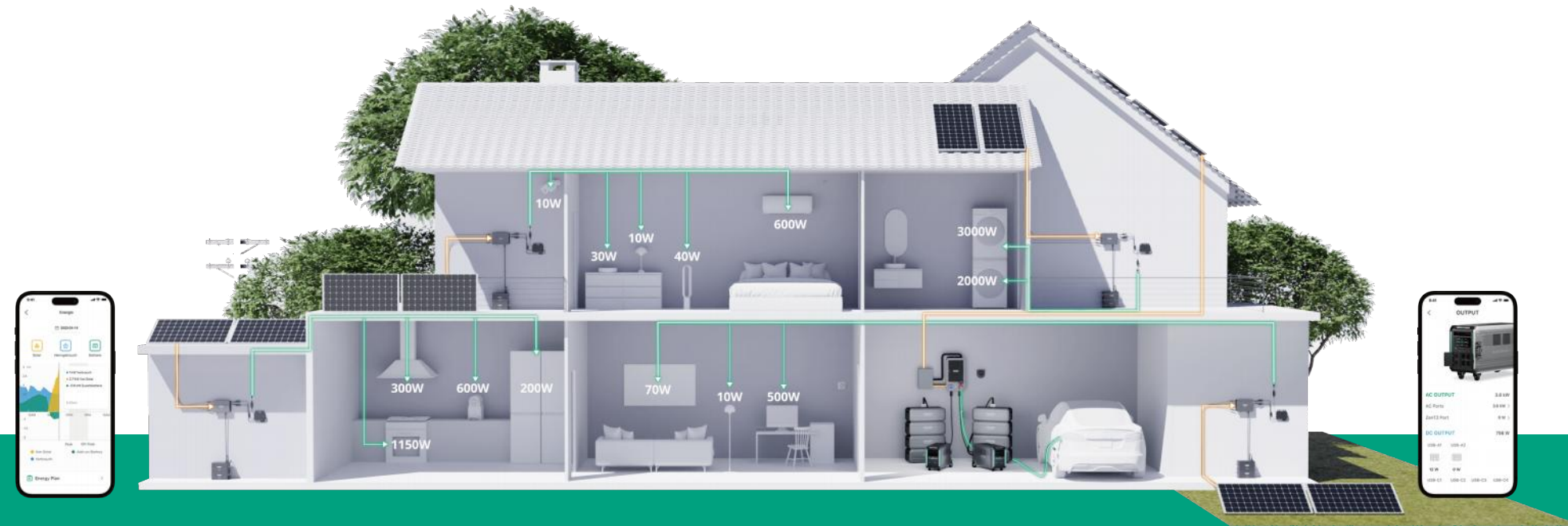
## ☰ Mission

Our mission is to deliver reliable and affordable clean energy for households worldwide by popularizing the latest EnergyTech.



## ≡ Vision

We envision being a Clean EnergyTech platform that sustains communities and families.



## ≡ Values



Truth and Integrity



Accountability and Responsibility



Energy Consciousness

## Development History

2017.8

Established Guangzhou Jianghai Technology Co., Ltd.

2019.3

SuperTank, the Ultimate 100W PD Portable Charger, crowdfunded over \$1 million.

2019.10

Established the Japan subsidiary ゼンデュア・ジャパン株式会社.

2020.12

Established the Singapore subsidiary Rimsea International Pte. Ltd.

2021.8

SuperBase Pro, the Fastest Recharge IoT Power Station, crowdfunded over \$2 million.

2021.10

Raised over ten millions RMB from GP Hi-Tech Capital and Yotrio Group Co., Ltd. in Series Pre-A Funding.

2021.12

Relocated to Guangzhou Huangpu Development Zone and became a National High-Tech Enterprise.

2022.8

A round investment of tens of millions of yuan Raised over ten millions RMB from Fenghe Capital in Series A Funding.

2022.10

SuperBase V crowdfunded \$5.39 million in Kickstarter

2022.11

Raised over ten millions RMB from Beijing Jinqiu Private Placement Fund Management Co., Ltd. in Series A+ Funding.

2023.3

Established the Germany subsidiary Zendure DE GmbH.

2023.4

Launched the balcony energy storage system SolarFlow on the official website in Germany, with sales exceeding €1.2 million on the first day.

## Product R&D and Design Strength

# 111

111 global patents

# 20

20 energy storage related patents

# 13

and 13 invention patents

Patent layout includes: trademark, design, charge and discharge management, energy storage system, structural design, carbon emission reduction system, soft products, etc.



# 40%

The R&D team accounts for 40%

# 5%

The R&D investment has exceeded 5% of revenue year after year



## ≡ Awards



Dec. 2017  
Good Design Award, US.



Nov. 2019  
Upstyle Award, China



Dec. 2020  
Contemporary Good Design Award, China.



Apr. 2021  
iF Design Awards, Germany.  
(SuperWave)



Sept. 2021  
G-MARK Design Award, Japan.



reddot winner 2022

Mar. 2022  
Red Dot Design Award  
Germany (Super Base pro)



May 2022  
iF Design Award, Germany  
(Super Base Pro)



Jun. 2022  
IDEA Design Award US



reddot winner 2023

Mar. 2023  
Red Dot Design Award, Germany  
(SuperBase V)



Apr. 2023  
iF Design Award, Germany  
(SuperBase V)

## ≡ Certifications

### RoHS

Restriction of Hazardous Substances



Technischer Überwachungsverein  
Rheinland



Underwriters Laboratories



Federal Communications  
Commission



Conformité Européene



International Organization  
for Standardization



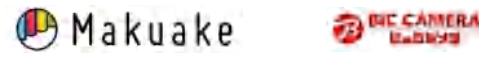
International Electrotechnical  
Commission



Electromagnetic Compatibility



## Global Channel Partners



## Media Endorsements



GIGA.de:  
Zendure bietet mit der SuperBase V eine richtig dicke Powerstation an, die mit mehreren Zusatzbatterien nicht nur extrem viel Energie speichern kann, sondern sich auch per Solar schnell wieder aufladen lässt.



Caschys Blog  
Zendure hat hier eine außerordentliche Lösung für das Zuhause geschaffen, mit der man sich sukzessiv eine gewisse Autarkie durch Akku-Horten erkaufen kann.



China-Gadgets.de  
Über den Tag erzeugte Energie kann nachts abgerufen werden – Theoretisch kann man eine konstante Energiezufuhr einrichten um etwa durchgehend die Grundlast zu decken.



Home&Smart.de  
Mit dem Zendure SolarFlow Stromspeicher sind PV-Eingangleistungen von bis zu 800 Watt möglich und der maximale Ausgang zum Wechselrichter liegt bei 1.200 Watt.



Computerbild.de  
Verglichen mit anderen Solargeneratoren ist die Superbase V leistungsstärker: Sie lädt schnell und liefert so viel Energie aus wie eine normale Haussteckdose.



Chinahandys.de  
Das Aufladen der Powerstation ist möglich über Solar, das Stromnetz des Hauses oder auch über E-Auto Tankstellen.



Netzwelt.de  
Einfache Installation per Plug-and-Play, gute Verarbeitung, übersichtliche sowie umfangreiche App und hohe Kompatibilität: Zendure SolarFlow überzeugt im Test.



IMTEST  
Nachdem alles richtig angestöpselt und mit der Zendure-App verbunden war, funktionierte das System aber einwandfrei. Zendures SolarFlow bietet weniger Möglichkeiten, ist dafür aber auch mit Komponenten anderer Hersteller kompatibel.



Connect Living  
Wer viel Strom auf Vorrat braucht, bekommt mit der Superbase V ein sehr leistungsfähiges, schnelles und modular ausbaufähiges Gerät.



Survival Kompass  
Während andere Wettbewerber wie Bluetti oder EcoFlow mit ähnlichen tragbaren und stapelbaren Systemen auf den Markt gekommen sind, bietet Zendures SuperBase V6400 derzeit das umfassendste Paket in diesem Segment.



Techstage.de  
Das Beste an Solarflow ist sicherlich, Energieerzeugung, Speicherung und Abgabe gut zu visualisieren.



Computer Base  
Mit dem SolarFlow hat Zendure ein Balkonkraftwerk geschaffen, das in puncto Kapazität, Ausstattung und Preis-Leistungs-Verhältnis seinesgleichen sucht.

# ZEN+ Home Energy Hub

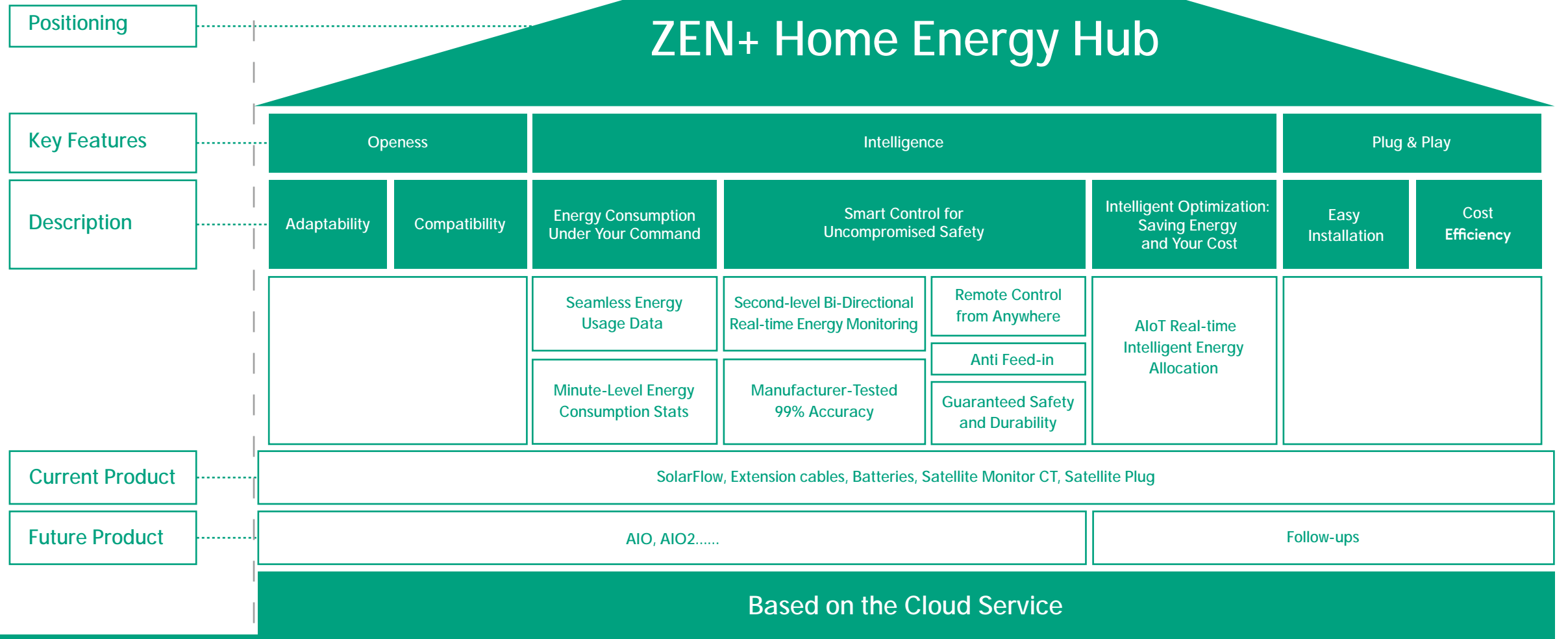
In 2023, Zendure boldly entered the Smart Home Energy Management Sector with the groundbreaking launch of ZEN+ Home. This innovative energy management ecosystem is set to transform how users and families manage energy consumption within their homes.

ZEN+ Home is designed to be a user-friendly ecosystem of plug-and-play energy storage products compatible with industry-leading technologies and solutions. With Zen+ Home, you can effortlessly monitor and automate your energy usage, receiving valuable insights to optimize efficiency and reduce electricity costs.

What sets ZEN+ apart is our utilization of advanced clean energy storage and power conversion devices paired with cutting-edge sensor technology. This combination allows us to offer users more intelligent energy services through innovative software, algorithms, the Internet of Things (IoT), and AI technology.

With ZEN+ Home, Zendure enables users to take an active role in shaping a sustainable future. By seamlessly integrating smart energy management into everyday life, ZEN+ brings cost-effective solutions that revolutionize how families manage energy consumption at home.

Experience the power of ZEN+ Home— a smart energy management ecosystem that puts you in control while driving sustainability and saving costs.

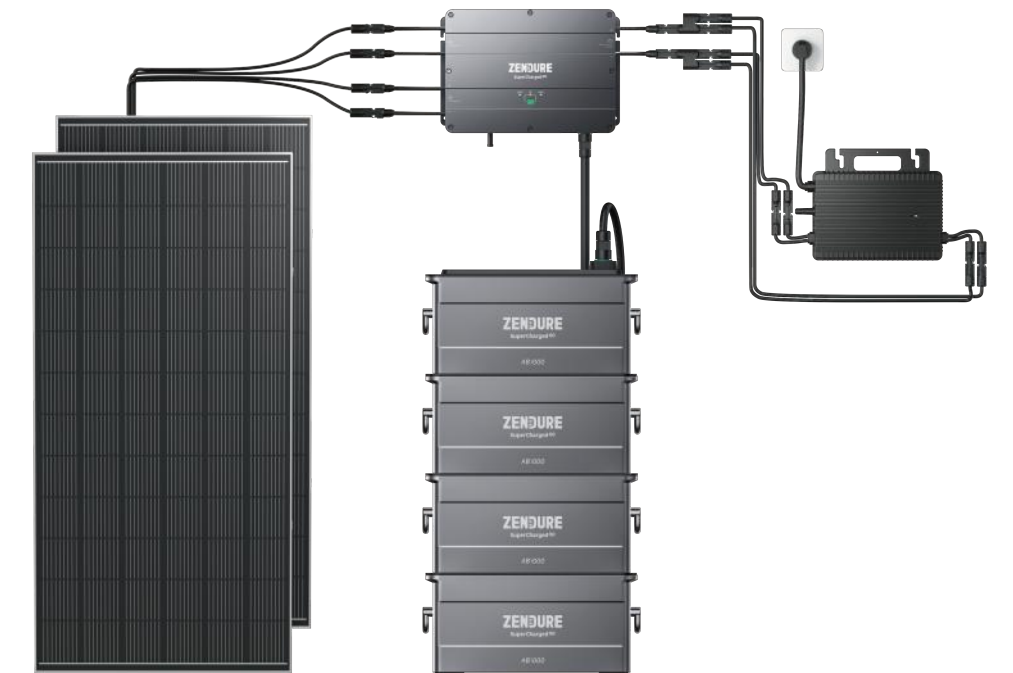




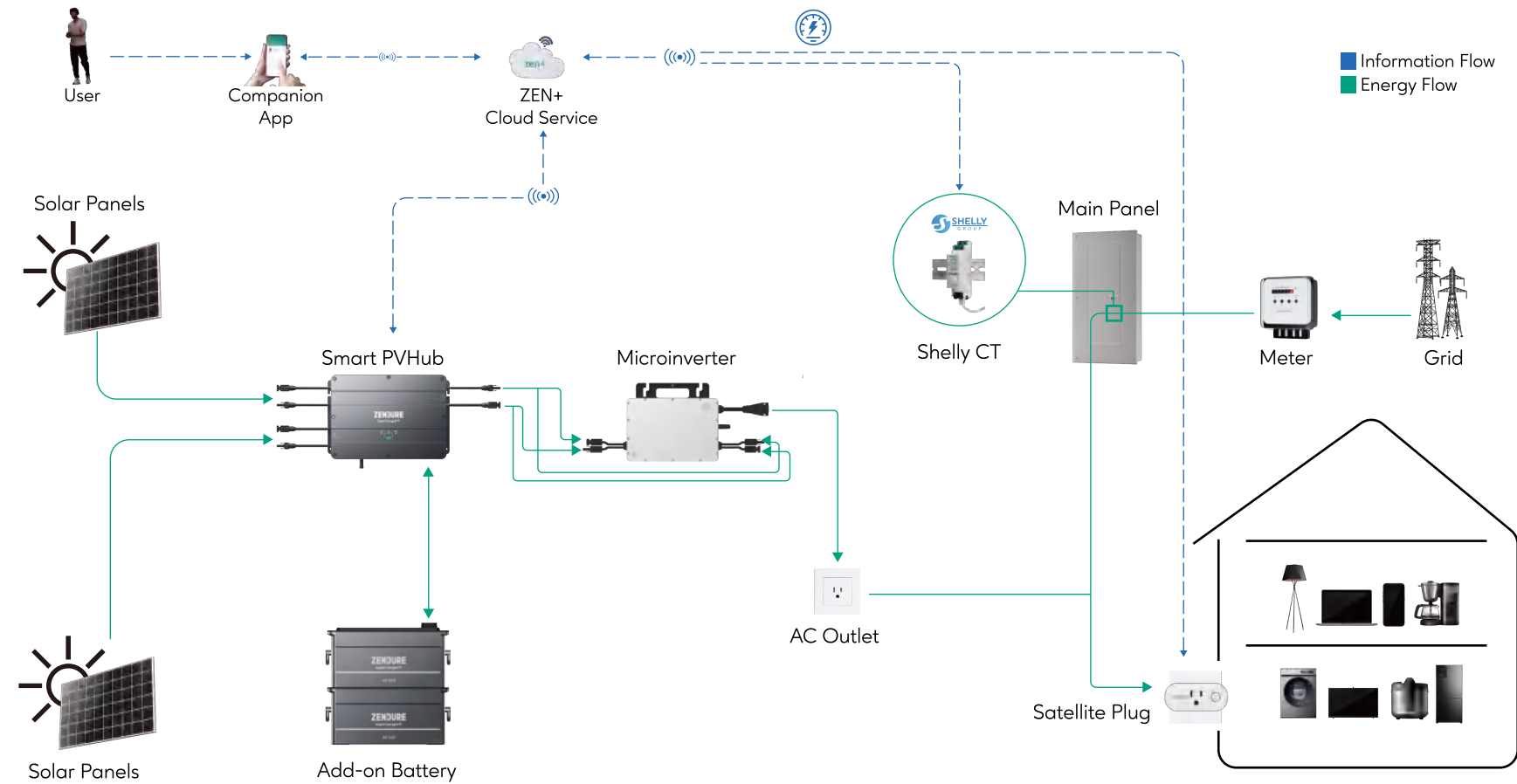
## ≡ SolarFlow

### Value the energy, save your bill.

The revolutionary Balcony Energy Storage System SolarFlow harnessing solar power for the ZEN+ Home Energy Hub. SolarFlow seamlessly integrates sunlight capture and storage to provide a safe, reliable energy source, setting a new standard in home solar management and sustainability.



## SolarFlow Ecosystem



## Key Features



**Plug-and-Play, Simple Installation**  
A single cable for everything- connect, charge, disassemble and move in seconds with no mess or extra cost. The whole system can be placed outdoors along with the panel in the most cases.



**100% Self-consumption**  
Offer you a cost-efficient solution to store your energy during the day, use it at night.



**APP Smart Energy Control**  
Real-time Monitoring and Management: keep track of your energy usage and optimize your system for maximum savings.



**Universal MC4 Adaptability**  
Unsurpassed universal compatibility with MC4 connectors allows you to use any balcony solar panels already available on the market regardless of your existing system or new DIY kit.



**IP65 + 10 Years Warranty**  
SolarFlow features a particularly robust-metal surface and an IP65 waterproof rating, providing complete protection against water jets from any angle, which means high quality standard and money saving.

## 100% Self-consumption

Offer you a cost-efficient solution to store your energy during the day, use it at night. Save your annual electric bill 912€.

Only Balcony Power Plant  
**140€ / Year**

SolarFlow + Balcony Power Plant  
**912€ / Year**

A balcony solar system will, on average, generate around 6.25 kWh of electricity per day and the average household in Germany consumes approximately 3500 kWh annually, which can save 912€ per year (0,4€ per kWh) - almost a third (65%) of annual electricity bill.

\*based on PV Hub 2000+AB2000\*2+2000W PV+800W micro inverter

## Usage Scenarios

SolarFlow can be used in a variety of scenario including gardens, rooftops, rented and owned balconies and patios, and more scenarios based on the current savings of up to 438 euros on annual electricity bill to do the scenarios extension.





**Hub 1200**

**PV Input**

PV Input 1	16-60V = 13A, 400W Max
PV Input 2	16-60V = 13A, 400W Max
Recommended PV module	210-550W Each, 1,000W Max in Total
Max DC Short Circuit Current	14.3A
Number of MPPT	2

**Output to Microinverter**

Recommended Output Power of Microinverter	400W ~ 1200W
Output Current to Microinverter	30A Max
Output Voltage to Microinverter	16V ~ 60V

**Add-on Battery**

Output to AB1000(one battery)	48V = 16.6A, 800W Max
Output to AB2000(one battery)	48V = 16.6A, 800W Max
Output to Batteries	48V = 16.6A, 800W Max
Input from Add-on Battery	48V = 25A, 1,200W Max

**Efficiency**

MPPT Efficiency	99%
Efficiency of Output to Microinverter	98%

**Protection**

Overvoltage Protection, Overcurrent Protection, Short-circuit Protection, Overheat Protection	
Working Temperature	-20°C~45°C
Wireless Type	Bluetooth, 2.4GHz Wi-Fi
IP Rating	IP65
Warranty	10 Years

**Dimensions and Weight**

Dimensions (LxWxH)	363x246x64mm
Net Weight	≈ 4.7kg



**Hub 2000**

**PV Input**

PV Input 1	16-60V = 26A, 900W Max
PV Input 2	16-60V = 26A, 900W Max
Recommended PV module	1,100W Each, 2,340W Max in Total
Max DC Short Circuit Current	33A
Number of MPPT	2

**Output to Microinverter**

Recommended Output Power of Microinverter	400W ~ 1,200W
Output Current to Microinverter	30A Max
Output Voltage to Microinverter	16V ~ 60V

**Add-on Battery**

Output to AB1000(one battery)	48V = 16.6A, 800W Max
Output to AB2000(one battery)	48V = 16.6A, 800W Max
Output to Batteries	48V = 16.6A, 1,800W Max
Input from Add-on Battery	48V = 25A, 1,200W Max

**Efficiency**

MPPT Efficiency	99%
Efficiency of Output to Microinverter	98%

**Protection**

Overvoltage Protection, Overcurrent Protection, Short-circuit Protection, Overheat Protection	
Working Temperature	-20°C~65°C
Wireless Type	Bluetooth, 2.4GHz&5GHz Wi-Fi
IP Rating	IP65
Warranty	10 Years

**Dimensions and Weight**

Dimensions (LxWxH)	363x246x64mm
Net Weight	≈ 4.7kg



## Add-on Battery 1000 (AB1000)

Capacity	960Wh(20Ah 48V)
Battery Type	LiFePO <sub>4</sub>
Life Cycle	3,000 Cycles (DOD≥80%)/ 6,000 Cycles(DOD≥70%)
Input	800W Max
Output	1,200W Max
Expandable Battery Quantity	4
Maximum Expandable Capacity	960 x 4=3,840 Wh
Overvoltage Protection	Charging & Discharging
Overcurrent Protection	Charging & Discharging
Short-circuit Protection	Yes
Overheat Protection	Yes
IP Rating	IP65
Warranty	10 Years
Charging Temperature	0°C~55°C
Discharging Temperature	-20°C~60°C
Compatibility with AB1000	Yes
Finish	Integrated Die-casting Design

### Dimensions and Weight

Dimensions (LxWxH)	350×200×187mm
Net Weight	≈ 11.5kg



## Add-on Battery 2000 (AB2000)

Capacity	1,920Wh(40Ah 48V)
Battery Type	LiFePO <sub>4</sub>
Life Cycle	3,000 Cycles (DOD≥80%)/6,000 Cycles(DOD≥70%)
Input	48V 25A, 1,200W Max
Output	48V 25A, 1,200W Max
Expandable Battery Quantity	4
Maximum Expandable Capacity	1,920 x 4=7,680 Wh
Overvoltage Protection	Charging & Discharging
Overcurrent Protection	Charging & Discharging
Short-circuit Protection	Yes
Overheat Protection	Yes
Self-heating Function	Yes
IP Rating	IP66
Warranty	10 Years
Charging Temperature	-20°C~55°C
Discharging Temperature	-20°C~60°C
Automatically Self-heating Function	-20°C~0°C
Compatibility with AB1000	Yes
Finish	Integrated Die-casting Design

### Dimensions and Weight

Dimensions (LxWxH)	350×200×298mm
Net Weight	21.62kg



## ≡ SuperBase V

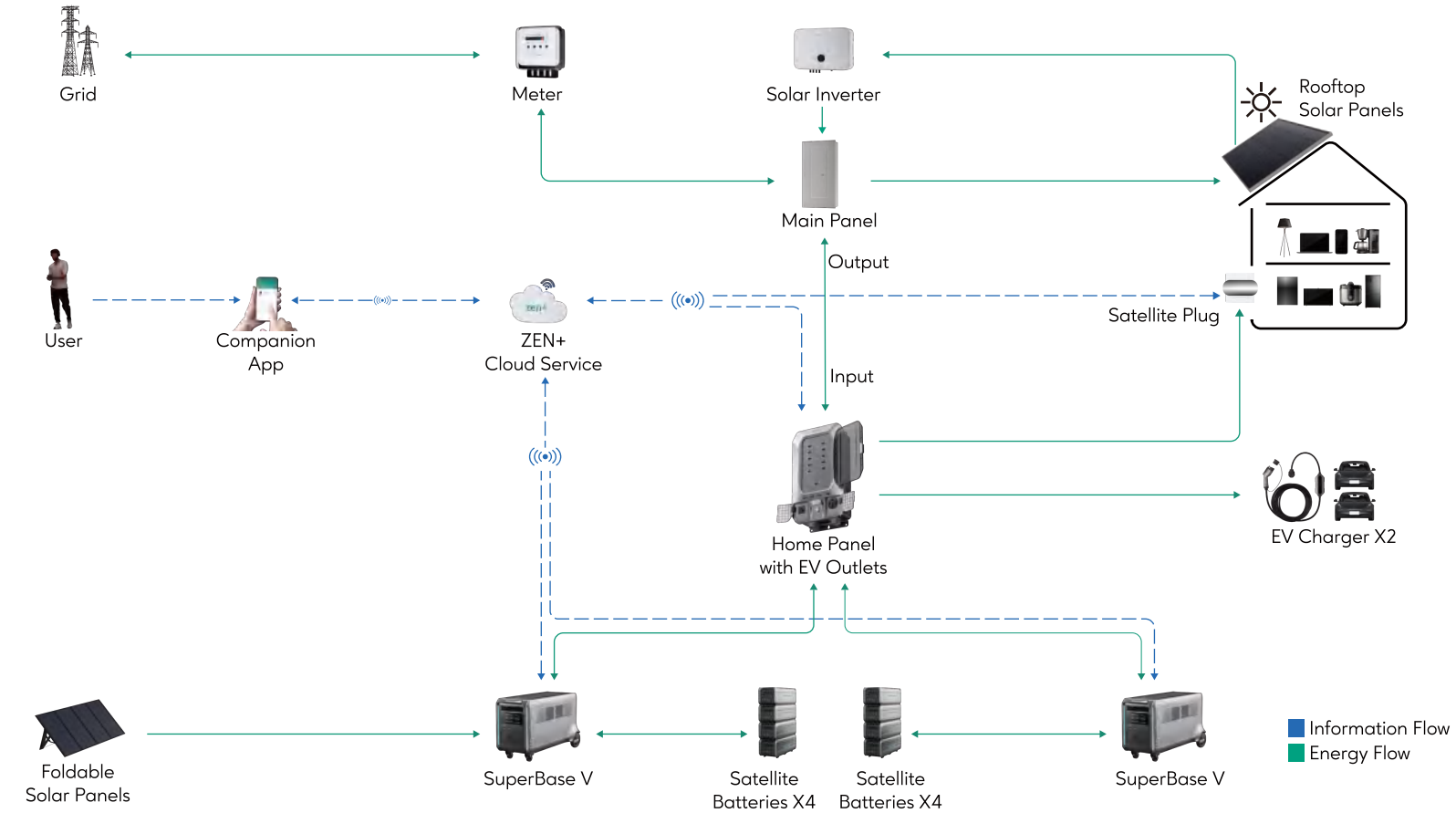
### True Power Independence.

The revolutionary plug-and-play home energy storage system powering the ZEN+ Home Energy Hub. A customization energy ecosystem with user-centered design and revolutionary technology, SuperBase V sets a new standard for home energy storage.





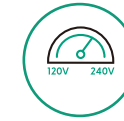
## Home Energy Storage System



## Key Features



**Plug-and-Play Energy Storage via Transfer Switch**  
 Easy installation, simply plug to your existing inlet box and transfer switch.



**Unique Dual Voltage Supports All Devices**  
 120/240V Dual Voltage, 3800W Output Power.



**Smart Control to Save Your Bills**  
 Control via smart energy management Zendure App, charge at off-peak rates, utilize during peak hours.



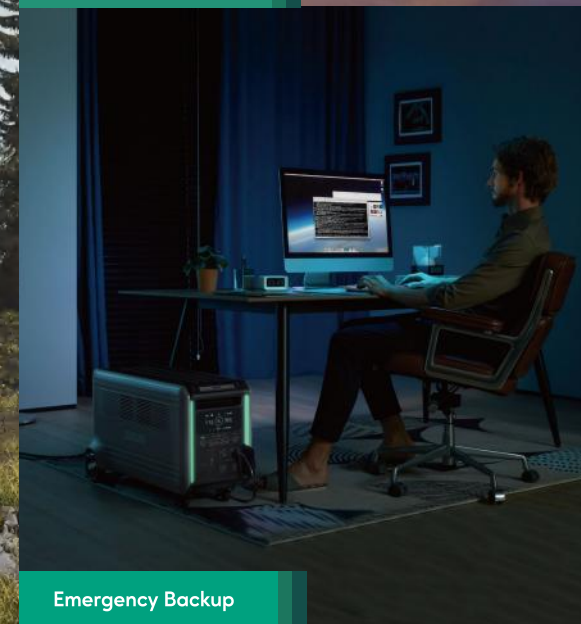
**Lower Maintenance Costs**  
 Save maintenance costs that keeps multiplying over time, comparing with gas/fuel generator.



**SuperBase V + Smart Home Panel, the Most Easy-to-reach Home Energy Storage Solution**  
 AC couple with existing PV system, easy for installation.  
 7600W and 240V/120V AC output together with built in EV chargers.

## Usage Scenarios

SuperBase V can be used in various scenarios such as whole home energy management, outdoor activities, RV and camping, off-grid life, providing backup power and reducing energy consumption.





## SuperBase V6400

Capacity: -----	6,438Wh	Output: -----	1x Car Outlet: --- 12.6V/10A Max 2x DC5521: ----- 12.6V/3A Max 1x Andersen: ---- 126V 30A
Battery Type: -----	Semi-Solid State		
AC Input: -----	NA: ----- 120VAC 1,800W/240VAC 3,600W,15A Max JP: ----- 100VAC 1,500W /200VAC 3,000W,15A Max EU/UK/AU: -- 230VAC 2,900W,12.5A Max CN: ----- 220VAC 2,200W,10A Max		USB-C(1)/(2): ---- 5V-20V,100W Max Each USB-C(3)/(4): ---- 5V-12V,20W Max Each USB-C1/2/3/4 Total 200W USB-A(1)(2): ----- 5V,2.4A Total
XT90 Input: -----	12-150V-25A,1,500W Max		
ZenT2 Input: -----	NA: ----- 100-240VAC, 3,600W Max(EV T1 Adapter needed) JP: ----- 100-200VAC, 3,000W Max (EV T1 Adapter needed) EU/UK/AU: -- 230VAC, 3,600W Max CN: ----- 220VAC, 3,520W Max		NA: ----- 4x 5-20: 120VAC,15A 1x6-20: 240VAC,16A 1x TT-30: 120VAC,30A  JP: ----- 4x 5-20: 100VAC,15A 1x 6-20: 200VAC,16A 1x L5-30: 100VAC,30A
Charge Temperature: -----	-20°C to 45C (-4-113F)		
Discharge Temperature: -----	-20°C to 45C (-4-113F)		
Dimensions: -----	28.7 x 13.6 x 17.4in (Including Wheels)		6x EU/UK/AU: --- 230V~50Hz, 16A
Weight: -----	130lbs (59kg)		CN: ----- 1x CN16A: 220V-50Hz, 16A 5xCN10A: 220V-50Hz, 10A



## SuperBase V4600

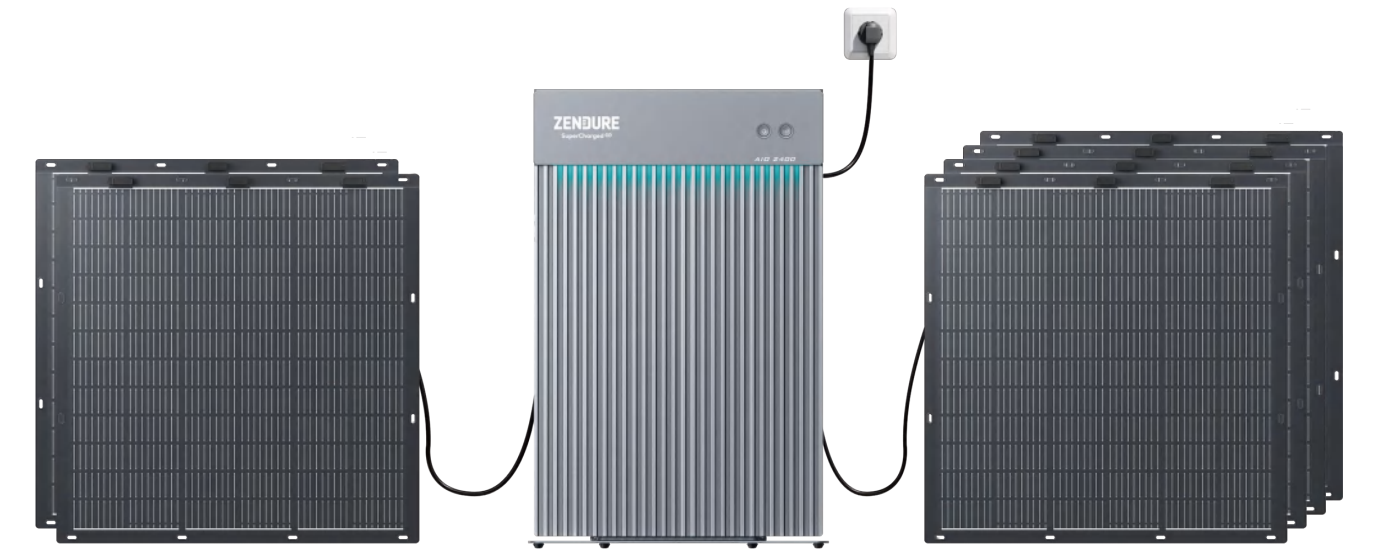
Capacity: -----	4,608Wh	Output: -----	1x Car Outlet: --- 12.6V/10A Max 2x DC5521: ----- 12.6V/3A Max 1x Andersen: ---- 126V 30A
Battery Type: -----	LiFePO <sub>4</sub>		
AC Input: -----	NA: ----- 120VAC 1,800W/240VAC 3,600W,15A Max JP: ----- 100VAC 1,500W /200VAC 3,000W,15A Max EU/UK/AU: -- 230VAC 2,900W,12.5A Max CN: ----- 220VAC 2,200W,10A Max		USB-C(1)/(2): ---- 5V-20V,100W Max Each USB-C(3)/(4): ---- 5V-12V,20W Max Each USB-C1/2/3/4 Total 200W USB-A(1)(2): ----- 5V,2.4A Total
XT90 Input: -----	12-150V-25A,1,500W Max		
ZenT2 Input: -----	NA: ----- 100-240VAC, 3,600W Max(EV T1 Adapter needed) JP: ----- 100-200VAC, 3,000W Max (EV T1 Adapter needed) EU/UK/AU: -- 230VAC, 3,600W Max CN: ----- 220VAC, 3,520W Max		NA: ----- 4x 5-20: 120VAC,15A 1x6-20: 240VAC,16A 1x TT-30: 120VAC,30A  JP: ----- 4x 5-20: 100VAC,15A 1x 6-20: 200VAC,16A 1x L5-30: 100VAC,30A
Charge Temperature: -----	0°Cto 45°C(32-113F)		
Discharge Temperature: -----	-20°C to 45C (-4-113F)		
Dimensions: -----	28.7 x 13.6 x 17.4in (Including Wheels)		6x EU/UK/AU: --- 230V~50Hz, 16A
Weight: -----	127lbs (57.8kg)		CN: ----- 1x CN16A: 220V-50Hz, 16A 5xCN10A: 220V-50Hz, 10A



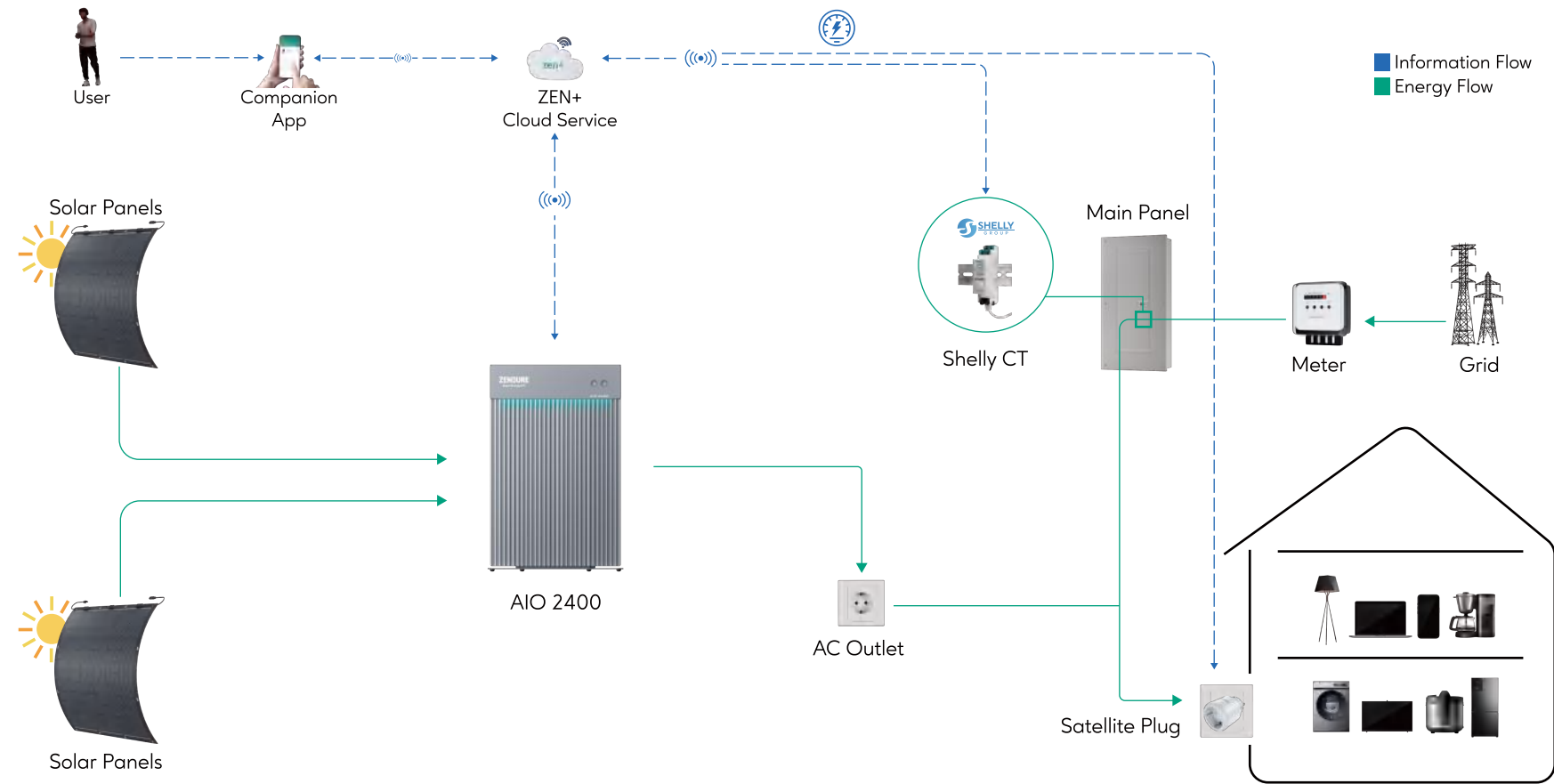
## ≡ AIO 2400

### All-in-One Energy Solution to Embrace Your Green Life.

Zendure's AIO energy solution, comprising PV, microinverter, battery, and software empower those who want to embrace clean energy and lead a sustainable lifestyle, but lack of technology know-how. Whether you're a clean energy enthusiast or someone looking to adopt a greener lifestyle, Zendure AIO makes it effortless to harness the power of renewable energy and take control of your energy consumption.



## AIO Solution-Architecture



## Key Features



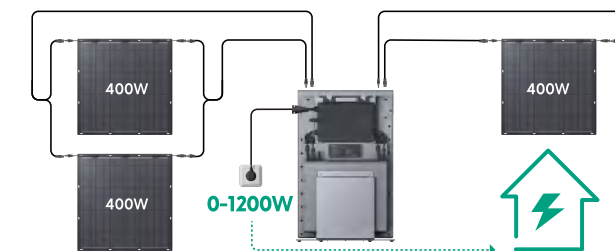
### Plug & Play: Hassle-Free Self-Installation Without Drilling

AIO's plug-and-play solution empowers you to generate, storage and manage your solar energy with ease – just unpack, place, and plug in!



### Self-consumption Maximizes Energy Generation

Stay Ahead with Real-time Control! The Dual 1200W MPPT provides dedicated data to offer you a comprehensive oversight of the energy production. Pair it with 1560W solar panels for maximum efficiency and customized energy solutions.



### 2.4kWh Battery Capacity Optimize Cost-efficiency

The tailor-made 2.4kWh battery is to complement your power generation and to maximize your energy efficiency.

\*Based on the total price of recommended product set: 1 x AIO 2400.

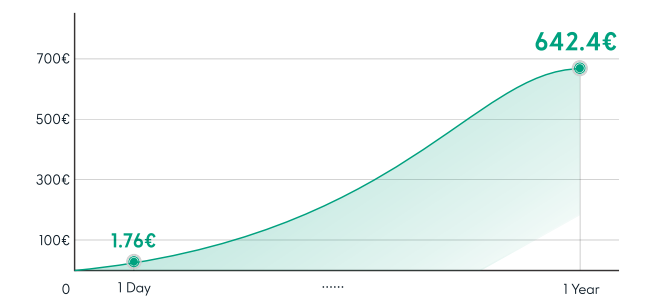
Product	Price/Wh
Zendure AIO 2400	0.559€/Wh
Alternativen	0.746€/Wh
Alternativen	0.833€/Wh



### Save the Bill Up to 642.4 Euros per Year

Unlock savings of 642.4 euros yearly with our advanced all-in-one energy solution-the intelligent choice for efficient plug-in solar system.

\*Based on the total price of recommended product set: 1 x AIO 2400, 1500W Solar Input, 1 x 800W Microinverter.



## Scenarios

With its plug-and-play simplicity, users can easily install the system themselves without the need for electricians or wall drilling. With a capacity of 2.4kWh, AIO optimizes energy efficiency by enabling users to store the energy generated during the day for nighttime consumption.

By utilizing PV and microinverter technology, users can actively participate in self-consumption of clean energy. The real-time energy consumption monitoring and management features allow users to have full control over their energy usage.





## AIO 2400

Capacity	2,400Wh
Battery	LiFePO4
Life Cycle	4,000 Cycles (DOD≥80%) 8,000 Cycles(DOD≥70%)
Wireless Type	Bluetooth, 2.4G Hz Wi-Fi
IP Rating	IP65
Warranty	10 Years

### PV Input

Input DC Voltage Range	16-60V
Number of MPPTs	2
PV Input 1	16-60V=14A, 400W Max
PV Input 2	16-60V= 20A, 800W Max
Rated DC Current	MPPT 1: 14A, MPPT 2: 20A

### Output to Microinverter

Recommended Microinverter's Power	0-1,200W
Microinverter Output 1	16-60V=30A Max, 1,200W Max
Microinverter Output 2	16-60V=30A Max, 1,200W Max
Total Output	1,200W

### Efficiency

MPPT Efficiency	99%
Output Efficiency	98%

### Protection

Overvoltage Protection, Overcurrent Protection, Short Circuit Protection  
Temperature Protection, Overcharge Protection, Overdischarge Protection

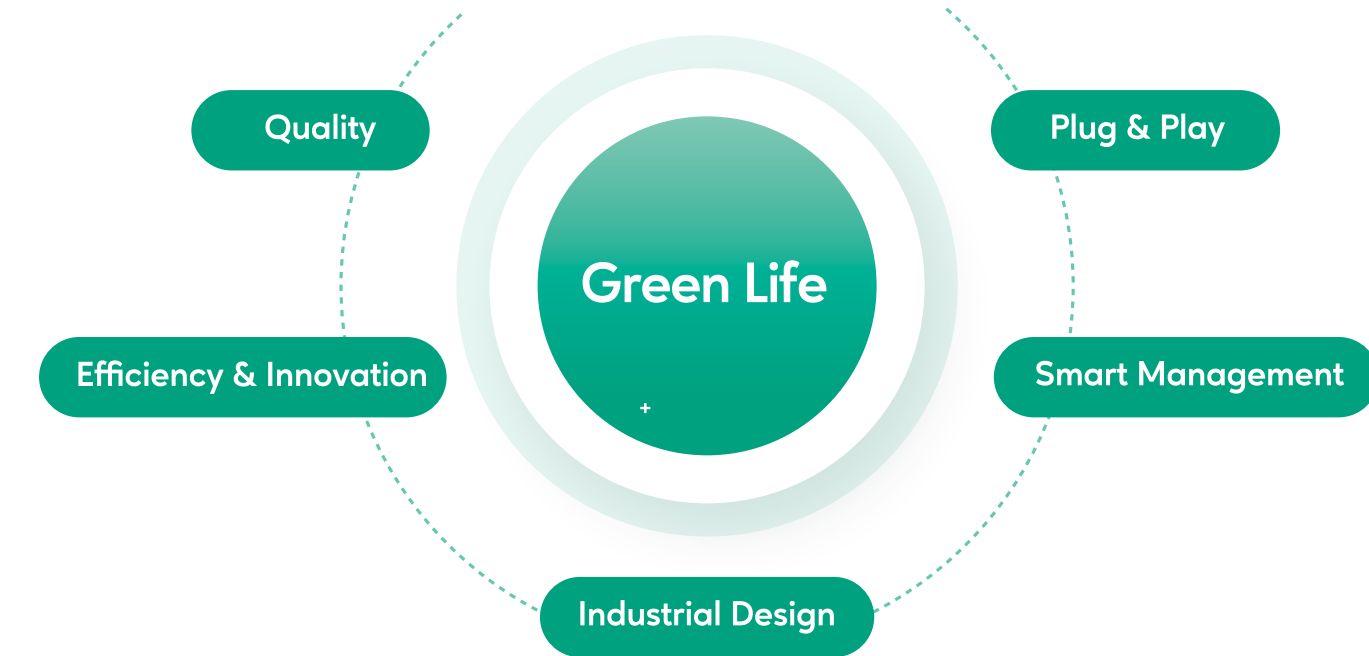
Self-heating Function	Yes, active from -20°C (-4°F)
Charging Temperature	0°C~55°C (32°F~131°F)
Discharging Temperature	-20°C~60°C (-4°F~140°F)

### Dimensions and Net Weight

Dimensions(Without Bracket and Top Cover)	657 × 427 × 150 mm (25.87" × 16.81" × 5.91")
Net Weight(Without Bracket and Top Cover)	≈31.3 kg (69 lbs)
Net Weight(With Bracket and Top Cover)	≈37 kg (81.6 lbs)

## ≡ AIO2400: All-in-One Energy Solution to Embrace Your Green Life

# All in One Energy Solution



Zendure's AIO energy solution, comprising PV, microinverter, battery, and software empower those who want to embrace clean energy and lead a sustainable lifestyle, but lack of technology know-how.

Whether you're a clean energy enthusiast or someone looking to adopt a greener lifestyle, Zendure AIO makes it effortless to harness the power of renewable energy and take control of your energy consumption.



## Shelly CT

The Shelly CT (Pro 3EM & 3EM) interfaces with SolarFlow, monitoring the overall power demand of the line and instantly adapting SolarFlow's power output. This dynamic adjustment not only enhances the self-consumption rate of electricity but also enables AIoT to allocate energy intelligently in real time.

## Satellite Plug

Seamlessly integrated into SolarFlow, the Satellite Plug empowers the ZEN+ Home ecosystem by monitoring the real-time electricity consumption of the household via Zendure APP. This enables Solarflow to intelligently auto-adjust power while preventing grid feed-in. It prioritizes home power use during peak hours and stores excess power for efficiency.



US



EU



UK

## Cloud Service

- **Smart.** Utilizes AI and automation technology to dynamically adjust the power output of the energy storage system, achieving optimal home energy usage efficiency.
- **Open.** The Cloud Service platform provides powerful open capabilities:
  1. Fully OpenAPI interfaces for end-user DIY.
  2. Partnerships with leading brands to interconnect devices and construct multidimensional integration scenarios. Currently has in-depth collaboration with Shelly to interconnect hardware.
- **High Refresh Frequency.** Real-time data at a high refresh frequency of 1 second per query.

