



VitaPower

Balcony Solar System

YOUR SMART ENERGY

VitaPower

VT1000



Smart Integrated Balcony Solar Energy Storage

Powering Energy Independence

Building Smart Home

Forging a Greener Tomorrow

AlphaESS

Product Features



All-in-One Design



For Both On-Grid and
Off-Grid Applications



Smart App



Up to 2,000 W
Adjustable Power



Expandable up to 6 kWh

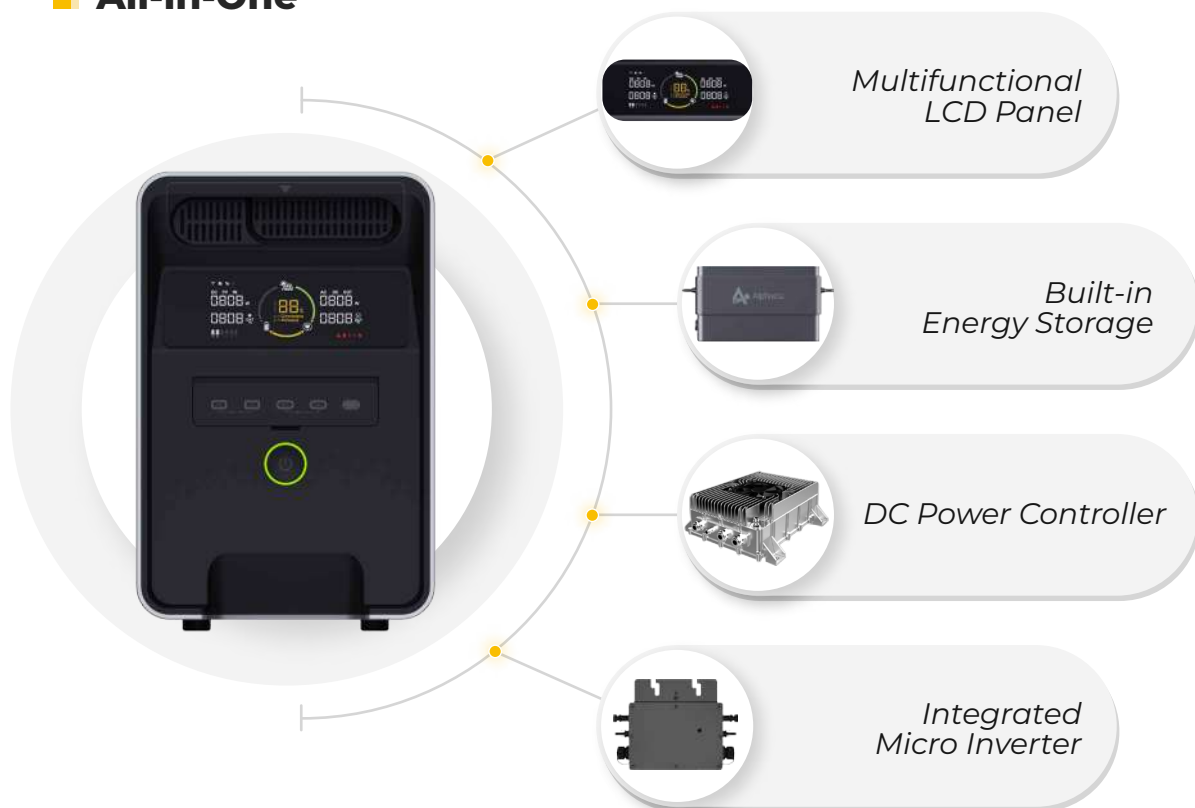


Safe & Reliable

■ Brand New All-in-One Design

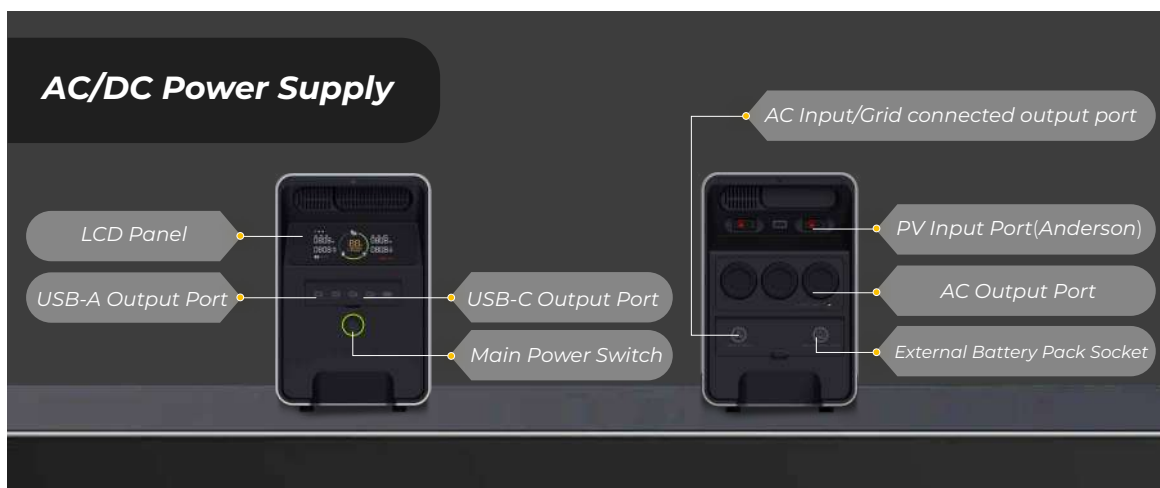


■ All-in-One



■ On-Grid and Off-Grid Applications

Simply connect VitaPower to external solar panels and plug in to effortlessly power your home. Enjoy the convenience of on-grid energy and the assurance of off-grid reliability.



Smart App Control



Accommodates diverse power demands across scenarios and future system upgrades. The inverter output can be adjusted to 2,000 W at most. (Be sure to comply with local regulations.)

Adjustable Power Output

Provides real-time insights into device performance and power generation.



Data Visualization



Provides analysis on the production capacity, economic value, and environmental impact, making data analysis more meaningful and related to everyday life.

Multidimensional Data Analysis

Smart App Control



Self-Consumption Mode

Prioritize Charging Battery with Solar Power



Performance Mode

Operate at Full Load to Maximize Load Satisfaction



Off-Grid Mode

Off-Grid Power Supply for Handling Emergencies



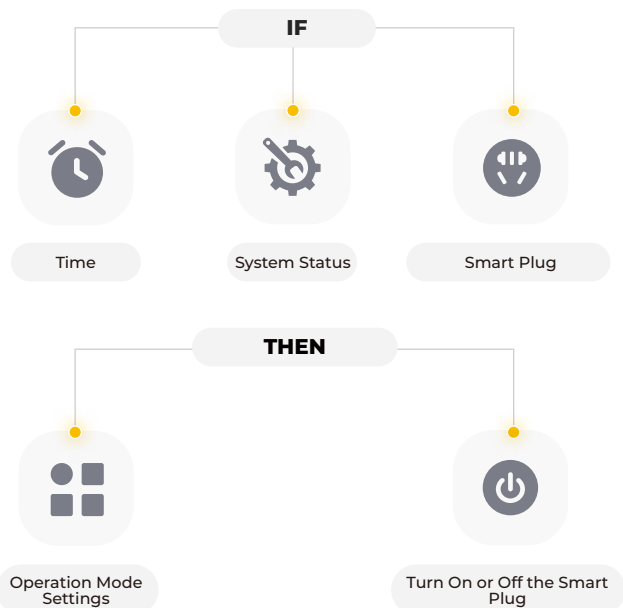
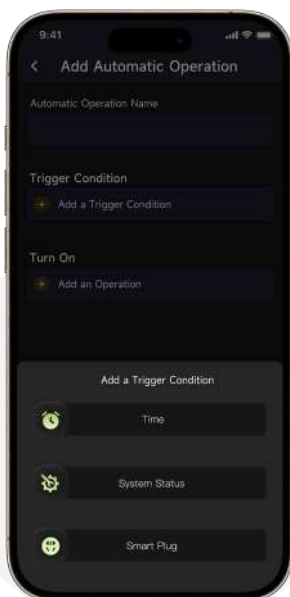
Forced Charging Mode

Charge Battery Immediately, Prioritize the Use of Solar Panels



App Smart Mode

Achieve System Automation and Smart Operation through Customized Trigger Conditions



■ Energy Storage Expansion

Modular Design, Expandable
up to **6 kWh**

6 kWh



■ Safe & Reliable

1.

- Durable Metal Casing



2.

- Extended Warranty Service



■ Product Parameters

Product Model	VT1000
Weight	19.1 kg
Dimensions	430 x 210 x 323 mm
Wireless Connection Type	2.4 GHz Wi-Fi
Capacity	1024 Wh
Battery Chemistry	Rechargeable LiFePO4
Depth of Discharge	95%
Recharging Temperature	0 °C ~ 45 °C
Operating Temperature	-10°C~45°C
PV Input	1200 W Max (2 x 600 W) 10-60 V=32 A Max(2 x 16 A)
MPPT Quantity	2
DC Output	USB-A 18 W x 2 (5 V=3 A, 9 V=2 A, 12 V=1.5 A) USB-C 100 W x 2 (5 V=3 A, 9 V=3 A, 12 V=3 A, 15 V=3 A, 20 V=5 A)
AC Input	1000 W 220-240 V~ 50 Hz
Rated Off-Grid Output	1000 W 220-240 V~ 50 Hz
On-Grid Output	800 W Max
Phase	Single-Phase
Life Cycle	6,000
Product All-in-one Product	3 years
Core component: Battery	10 years
Peak Power	2,000 W
Additional Battery Expansion	0-5 in Parallel
Battery Designation	IFpR41/136[1P16S]M/-20+50/95



ENERGY INDEPENDENCE

The balcony solar energy storage system harnesses the energy generated by solar panels for both on-grid and off-grid scenarios.



SMART HOME

A smart energy management system that visualizes, customizes, and automates energy usage.



GREEN COMMUNITY

Sharing solar energy to build a green community. The VPP (Virtual Power Plant) can help achieve a sustainable, efficient, and smart power system.



GREEN FUTURE

Reducing reliance on fossil fuels by generating sustainable power at home.



VitaPower

VT1000





About Us

AlphaESS is a leading global green energy storage solution and service provider. The company specializes in residential and commercial applications and delivers pre-eminent products and fit-for-purpose solutions. AlphaESS has 15+ subsidiaries providing local services and 100,000+ systems actively running in 90+ countries, enabling millions of people to enjoy reliable, accessible and clean energy.

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