

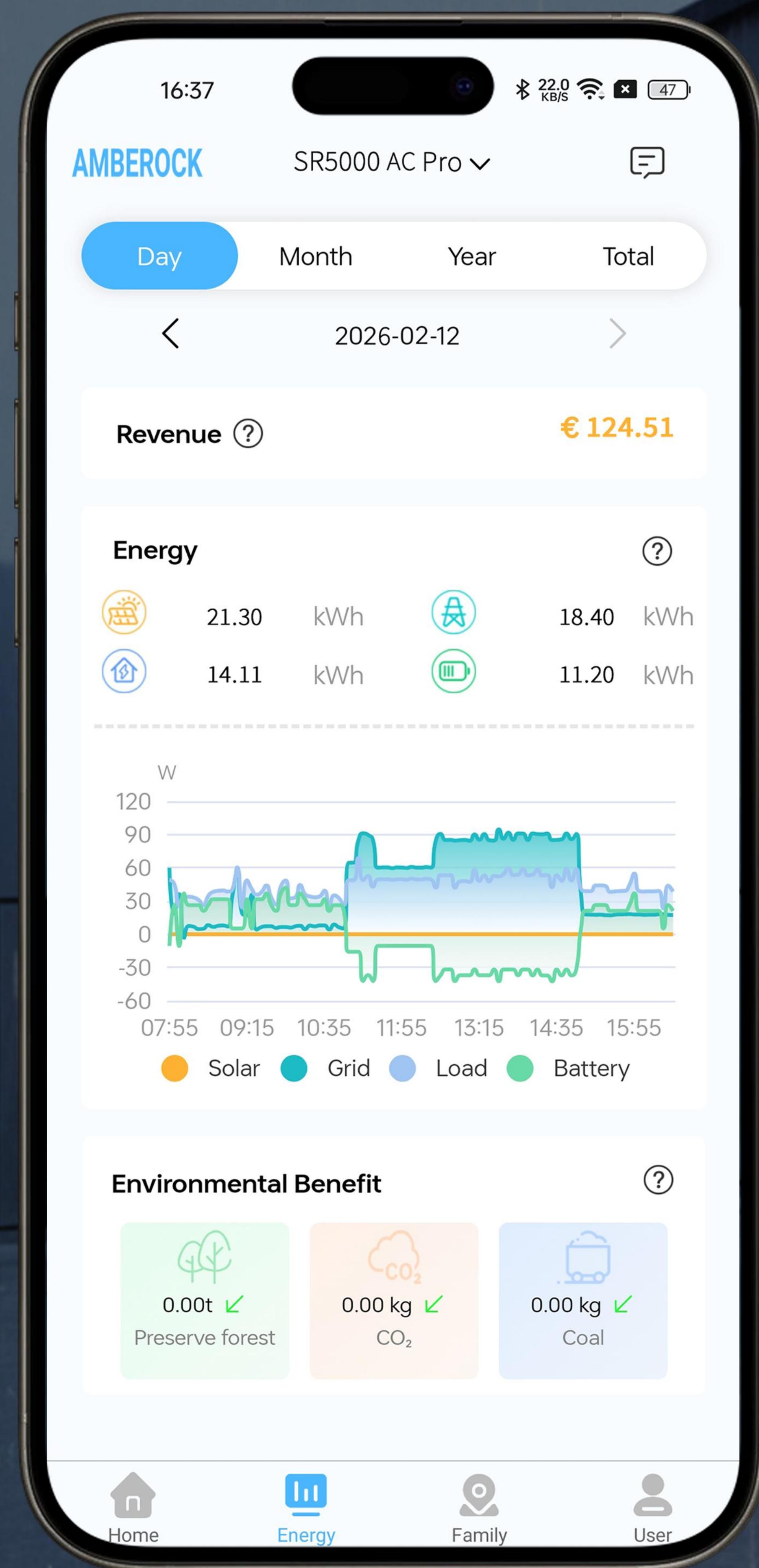
VOLTDEER | Powered by  PYLONTECH

SR5000 AC Pro

AC Coupled Battery Energy Storage System



AI-Based Scheduling, Safe and Stable Balcony Energy Center



AI-Based Scheduling, Saving €800+

Pre-configure multi-country grid connection protocols,
enable dynamic electricity pricing; intelligently control
low-priced charging and high-priced power supply,
maximize electricity revenue.

This data is estimated reference under specific scenarios and technical conditions.

Safe and Maintenance-Free, Multiple Intelligent Protections

Overcurrent Protection Design

Overvoltage Protection Design

High-Temperature Protection Design

Fire Protection Design

Anti-Impact Structure Design

High-Voltage Protection and Insulation Design

24/7 Predictive Software Monitoring

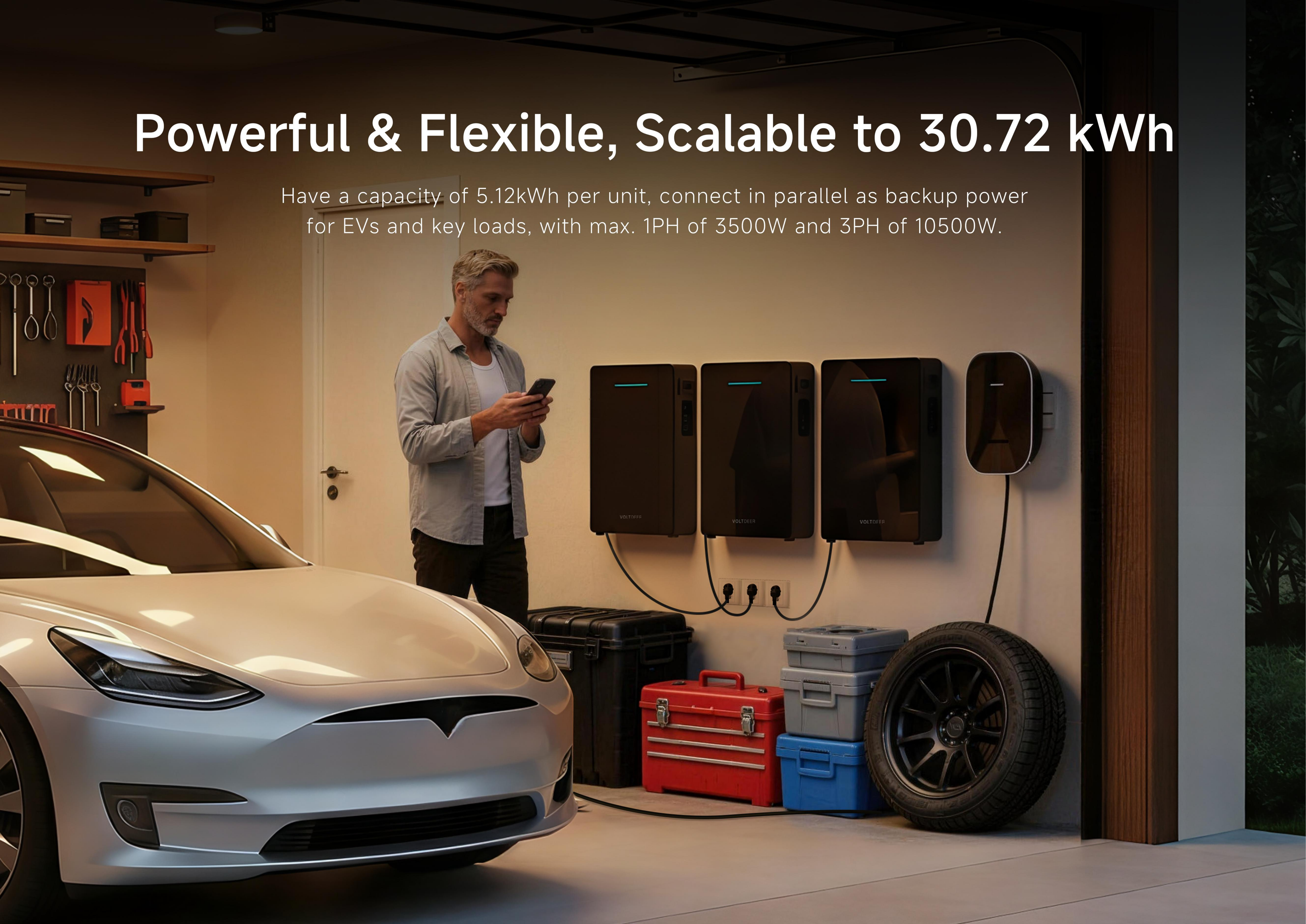
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Safeguard Household Electrical Safety



Powerful & Flexible, Scalable to 30.72 kWh

Have a capacity of 5.12kWh per unit, connect in parallel as backup power for EVs and key loads, with max. 1PH of 3500W and 3PH of 10500W.



Switch UPS in 10ms for Continual Power Supply

Switch to backup power during grid interruption to keep key devices continually running.



APP Multi-Mode Intelligent Control

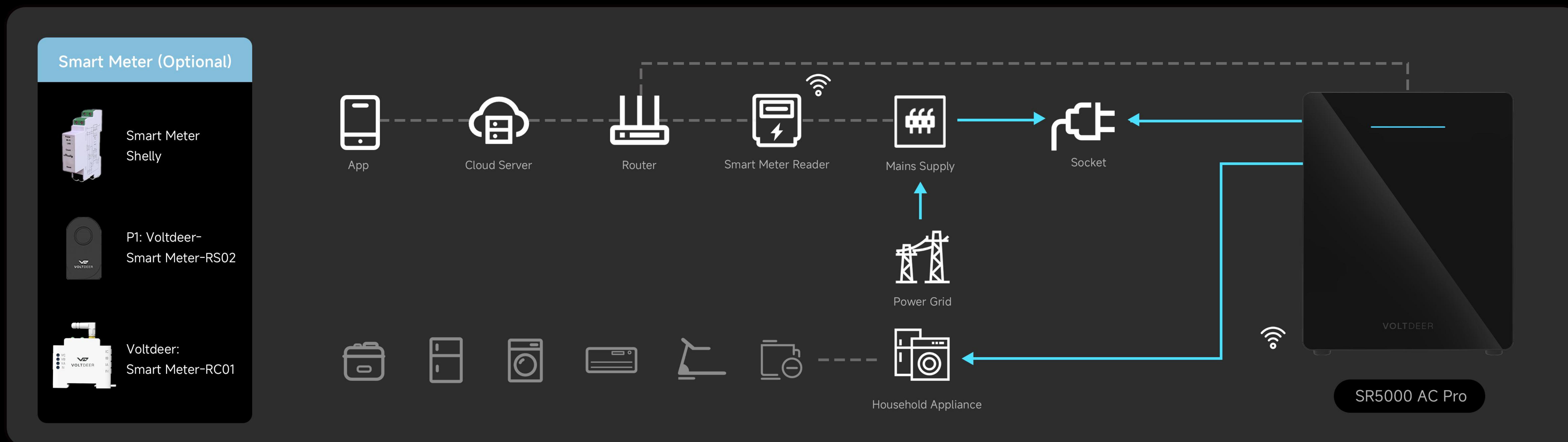
AI-based scheduling, custom charging & discharging,
tailored for energy management





Efficient Energy Management

Max. Input/Output of 2.5kW





Ultra-Quiet Wall-Mount Design

<30dB operating noise, wall-mount design for space-saving.



3s Plug-and-Play Installation



Operating Temperature:

-20°C to **60°C** | IP65 Dust & Water Resistance

Redefine Quality with Home Storage Standard

Use battery cells and communication protocols shared with home storage systems, verified battery modules and systems rigorously via over 6,000-cycle life tests, ensure that energy density, safety and durability meet industry benchmarks.

System Safety Certification

The unit is certified with international safety and environmental certifications (CE and RoHS).



UN38.3



6000

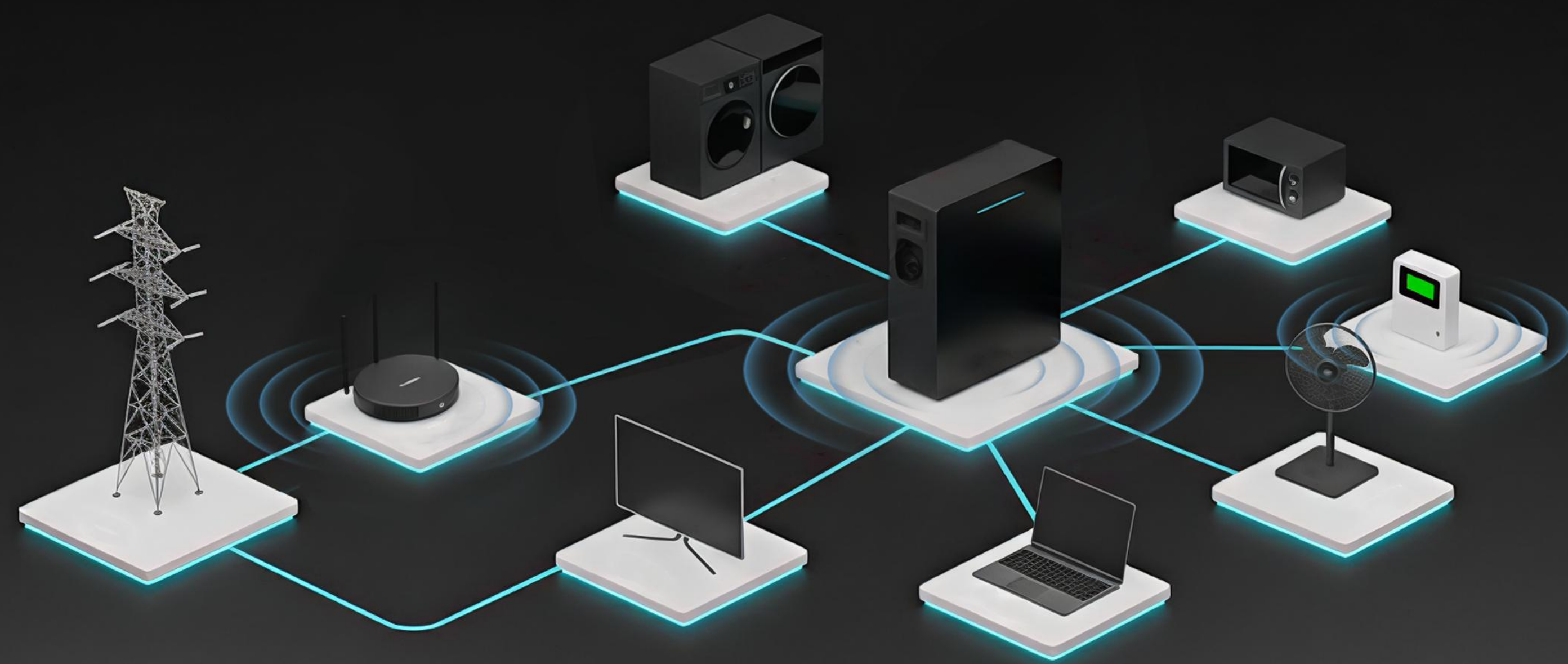


Direct Microinverter Connection, Zero Feed-In Grid Connection

Compatible with PV systems, integrate with existing systems, achieve zero feed-in grid connection via microinverters.

Open Ecosystem, Unlimited Gains

Open API, supporting the conversion of electricity into sustainable revenue via virtual power plants (VPP)



Specification Sheet

Battery

Rated Capacity (Ah)	100
Rated Voltage (V)	51.2
Rated Energy (Wh)	5120
Battery Type	LiFePO ₄
Operating Voltage Range	44.8~58.4
Max. Charging Current (A)	60
Max. Discharge Current (A)	60
Cycle Life	6000

AC Grid-Connected

Grid Type	Single-phase
Rated Voltage (Vac)	230
Rated AC Frequency (Hz)	50
Rated Output Power (W)	800 (Default)/2,500 (Max.)
Rated Output Current (A)	3.48 (Default)/10.87 (Max.)
Rated Input Power (W)	2500
Rated Input Current (A)	10.87

Off-Grid AC Port

Grid Type	Single-phase
Rated AC Voltage (Vac)	230
Rated AC Frequency (Hz)	50

Rated Output Power (W)	2500
Rated Output Current (A)	10.87

Structural Information

Dimensions (mm)	503*176*615
Weight (kg)	55±2
Protection Rating	IP65

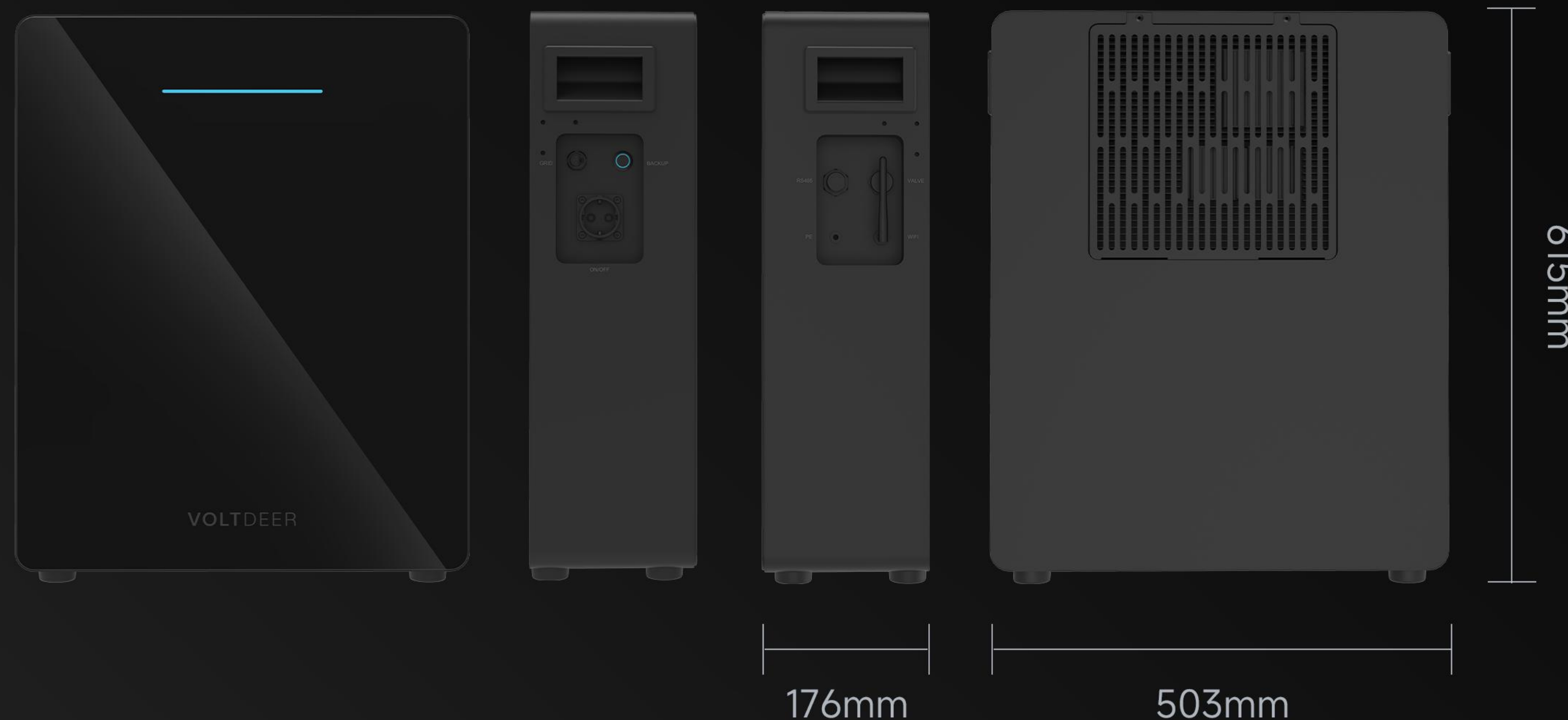
Environmental Parameters

Operating Temperature (°C)	-20~60
Relative Humidity	5 to 95% @ No Condensation

Altitude

Max. Operating Altitude (m)	2000
Communication Interface	Wi-Fi, Bluetooth, RS485
Authentication Certificate	EN 50549-1/10、C10/11、VDE 4105 IEC62477、IEC62619、IEC/EN 61000 RoHS、REACH、WEEE、UN38.3

*The above data is based on test records obtained under controlled conditions. Actual performance may depend on external conditions.



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