

Germany Stock

2. All in one Balcony Storage

AIO 2.56 kWh Incl Smart Meter



6000+ Cycle time

96.5% Efficiency

10 Years Warranty

APP Control

Anti feed in

ALL-IN-ONE BALCONY ENERGY STORAGE SYSTEM

- Efficient energy use. Solar energy can be directly converted into electricity for efficient energy utilization. And it supports 2000W PV Input and 1000W AC Output.
- Easy installation. Compact design, easy installation, no need for complex construction work, easy to install on balconies.
- Intelligent monitoring. Equipped with an intelligent monitoring system, it can monitor information such as photovoltaic power generation, battery status and energy consumption at anytime.



SPECIFICATIONS

HD Touchable Screen

ON/OFF Switch



Communication Interfaces

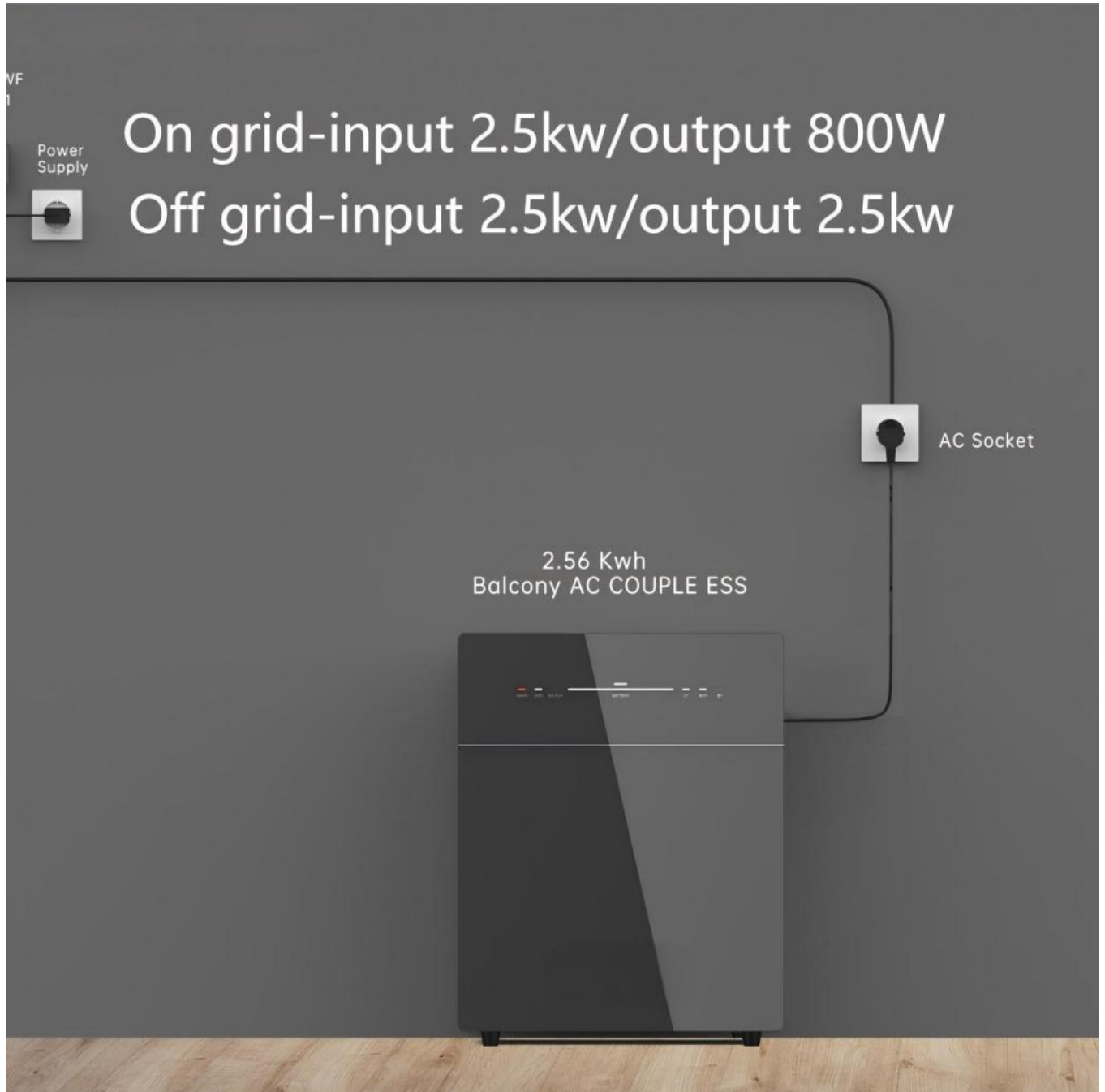
MC4 Input × 4

AC Output × 1

Model		HIE2.5-1000-L4-2000	HIE5-1000-L4-2000
Battery Info	Capacity	2560Wh	5120Wh
	Cell Chemistry	LiFePO ₄	
	Lifecycle	6000+ Cycles to 80% Capacity	
	DoD	90%	
	Current	50A	
	Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP, etc	
MC4*2 PV Input	Max. Input Power	500W*4	
	MPPT Tracker	4	
	Voltage Range	25V~55V	
	Max. Input Voltage	60V	
	Max. Input Current	14.5A*4	
	MPPT Effi	99.80%	
AC Output (On Grid)	Rated Power	1kW	
	Voltage Range	220V~230V	
	Output Frequency	50Hz/60Hz	
	Nominal AC Current	4.54A/4.34A	
	Max. Output Current	5.34A	
	Output Power Factor	> 0.99	
	THDi	< 3%	
Efficiency	MAX. Battery to Load Efficiency	>96.5%	
General	Dimensions	417*265*228mm	538*365*268mm
	Weight	15±0.5kg	29±0.5kg
	Material	SPCC	
	Operating Temp.	-20 ~ +60°C (Storage -30 ~ +85°C)	
	Protection Rated	IP65	
	Cooling Strategy	Natural Convection	
	Altitude	≤2000m	
	Humidity	0~95%	
	Wireless	BT5.2 + WIFI 2.4G	
Compliance	Grid Connection Standards	VDE4105	
	Regulatory	IEC/EN 62109-1/2	
	EMC	EN 61000-6-1/-2/-3/-4	

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3. AC Coupled ESS

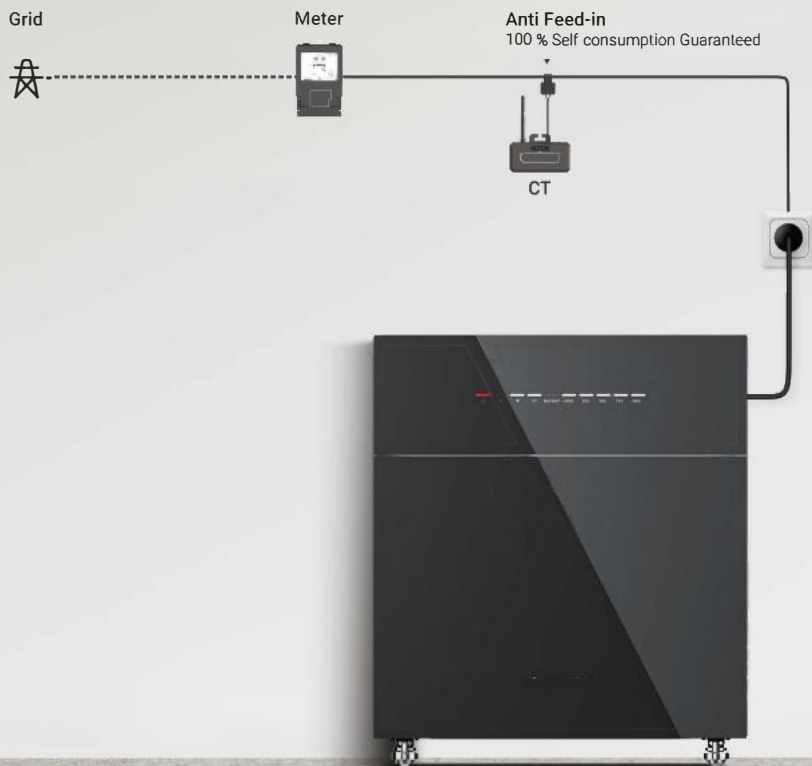


Power Anywhere & Anytime

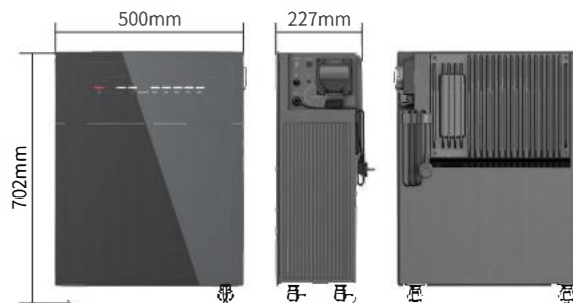
VENUS-C

Balcony AC Coupled ESS

- 800W On grid, Plug & Play
- 2.56kWh Battery Capacity
- 2.5kW Back-up & Off-grid
- Anti Feed-in ,100% Self-consumption (By CT)
- RS485 EMS , Peak Shaving and Valley Filling
- IP65 Waterproof



SPECIFICATIONS



Model	VENUS-C
Battery Info	
Rated Voltage	51.2V (16S)
Capacity	2560Wh
Life Cycle (Times)	>6000(25°C)
Battery Type	LiFePO ₄
DoD	90%
Current	60A
AC Input/Output (On Grid)	
Rated Input Power	2.5kW
Rated Output Power (On Grid)	800W
Operating Phase	L / N / PE
Rated Grid Voltage	220V / 230V
Grid Voltage Range	187V~253V
Rated Grid Frequency	50Hz / 60Hz
Rated Grid Input/Output Current	11.4A / 10.9A
Max. Input/Output Current	13.4A
Power Factor	> 0.99 (Default) / 0.8 leading-0.8 lagging (Adjustable)
THDi	<3%
AC Output (Off Grid)	
Rated Off-grid Output Power	2.5kW
Max. Apparent Output Power	2.5kVA
Max. Output Current	11.3A
Rated Output Voltage	220V
Rated Output Voltage Freq.	50Hz/60Hz
THDu (Linear Load)	<3%
Efficiency	
Battery-AC Side Max. Efficiency	> 93.5%
Protection	
Protection Level	I
Overvoltage/Voltage Withstand Level	DC II / AC
General	
Isolation Type	Non-Isolated
Operating Temperature Range	-20°C~ +60°C
Relative Humidity	0-95%
Ingress Protection	IP65
Cooling Strategy	Natural Convection
Max. Operating Altitude	2000m
On-grid Connection Standard	VDE 4105/0124,TOR R25, NF EN50549-10,C10/110,UNE217001/217002,NTS 631,CEI0-21,PETREE,PN-EN 50549-1/-2
Regulatory/EMC	IEC/EN 62109-1/-2,IEC/EN 61000-6-1/-2/-3/-4,IEC/EN 61000-3-2/-3,EN 300 328,EN 301 489 -1/-17, EN 50665;EN 62920;CB 62619, EN 50549-1
Dimension	500*702*227mm
Weight	33±0.5kg
Additional Data	
On-grid AC Connection	Three wire Household Plug (Euro16A)
Display	LED
Supported Communication Interface	WIFI & RS485 (Waterproof aviation plug)

SMART METER CT001

Current sensing:

After connecting the CT001 to the WIFI network, Balcony Energy Storage will automatically find the link to the device to read the power of the grid and realize intelligent power supplementation.

Strong adaptability:

CT001 is suitable for all kinds of power systems and equipment, including power plants, substations, industrial electricity, etc., it has strong adaptability.

Automatic mode:

Choose the automatic mode in the discharge setting of the Balcony Energy Storage APP. The balcony energy storage will automatically find the CT001 in the network and read the load of the home grid to achieve intelligent and dynamic output.

High-quality internet signal:

CT001 osupports 2.4G WIFI network.

Grid

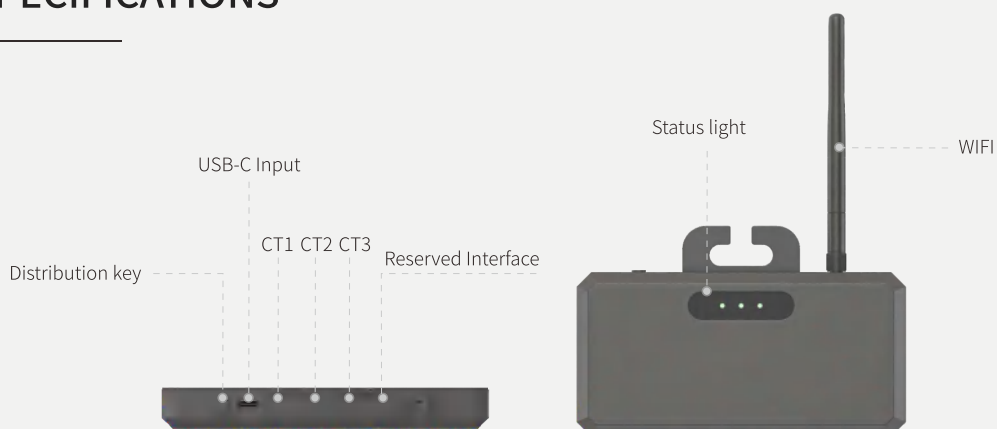


Meter



CT001

SPECIFICATIONS



Model	CT001
Wireless connection	WIFI(2.412~2.484 GHz) & Bluetooth 5.2
Power supply	Type-C (5V/1A)
Status display	LED
Dimension(without antenna)	140*89.2*17.3mm
Weight	0.5kg
Altitude	≤2000m
Operating Temperature	-40°C~60°C
Storage Humidity	5%~95%