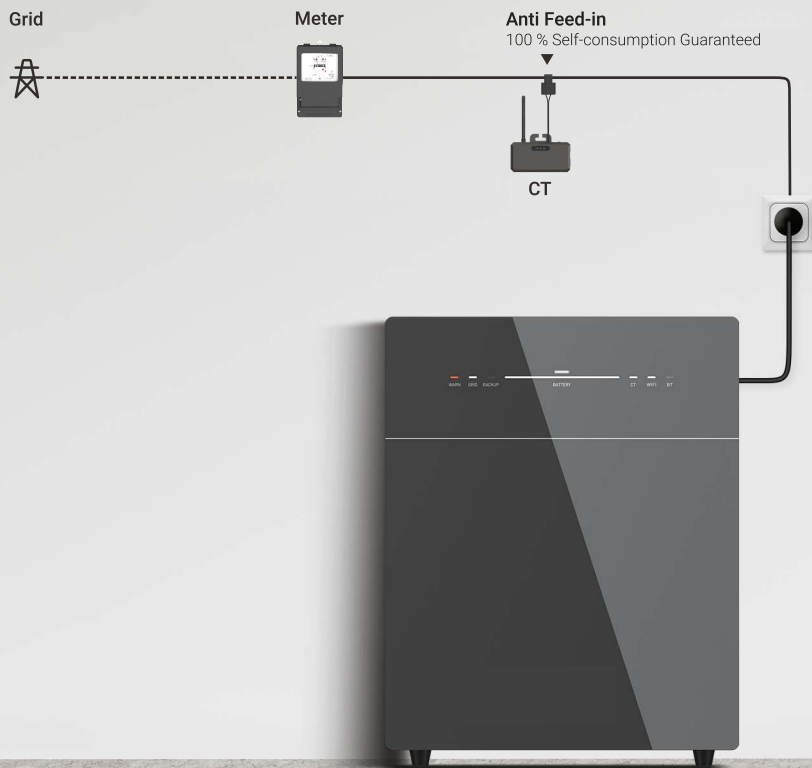


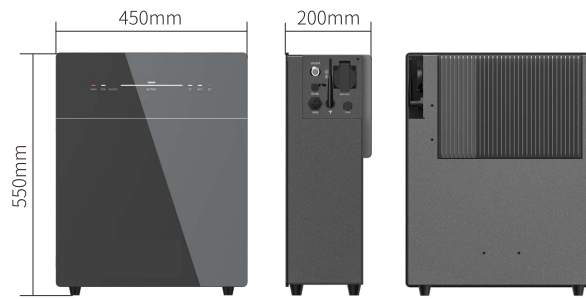
ENERGYCUBE VENUS-C

AC Coupled ESS

- 2.56kWh Capacity
- 2.5kW On-grid, Plug & Play
- 2.5kW Back-up During Grid Shortage
- Compatible with any Existing PV System
- Simplest Micro Powerplant
- Saving & Making Money



SPECIFICATIONS

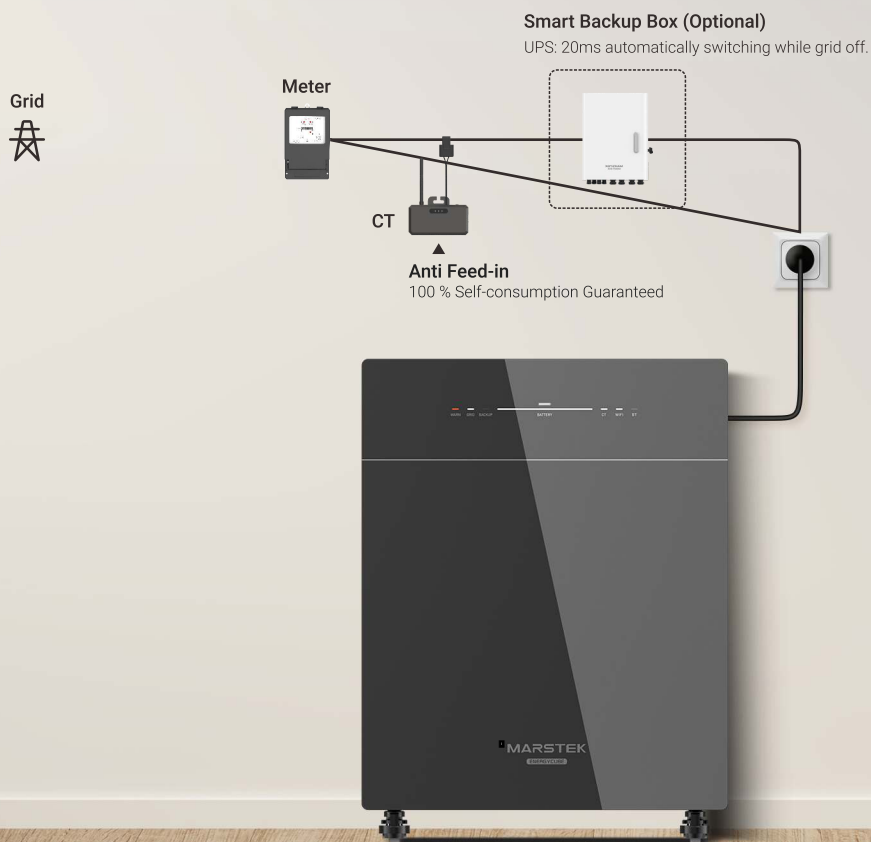


Model	VENUS-C
Battery Info	
Rated Voltage	51.2V (16S)
Capacity	2560Wh
Life Cycle (Times)	>6000(25°C)
Battery Type	LiFePO ₄
DoD	90%
AC Input / Output (On Grid)	
Rated Input / Output Power	2.5kW/800W
Operating Phase	L / N / PE
Rated Grid Voltage	230V
Grid Voltage Range	187V ~ 253V
Rated Grid Frequency	50Hz
Rated Grid Output Current	10.9A
Power Factor	>0.99(Default) 0.8leading...0.8lagging (Adjustable)
THDi	<3%
Back-up (Off Grid)	
Rated Output Power	2.5kW
Max. Apparent Output Power	3.5kVA, 10s
Rated Grid Voltage	230V
Rated Output Current	10.9A
Rated Output Voltage Frequency	50Hz
THDu(Linear Load)	<3%
Efficiency	
Battery-AC Side Max. Efficiency	> 93.5%
Protection	
Protection Level	I
Overvoltage/Voltage Withstand Level	DC II / AC III
General	
Isolation Type	Isolated
Operating Temperature Range	-20°C ~ + 55°C (Storage -30°C ~ + 85°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 EN50549-1,UNE217001/217002,NTS 631,CE10-21,PETREE,PN-EN 50549-1/-2,G98, AS4777.2
Regulatory/EMC	IEC62040,IEC62477,IEC/EN 61000-6-1/-2/-3/-4,IEC/EN 61000-3-2/-3,EN 300 328,EN 301 489 -1/-17, EN 50665,CB 62619
Dimension	450*550*200mm
Weight	45 ± 0.5kg
Additional Data	
On-grid AC Connection	Three-wire Household Plug (Euro16A)
Back-up Connection	Three-hole socket (Euro blue socket)
Display	LED
Supported Communication Interface	WIFI&RS485 (Waterproof aviation plug)

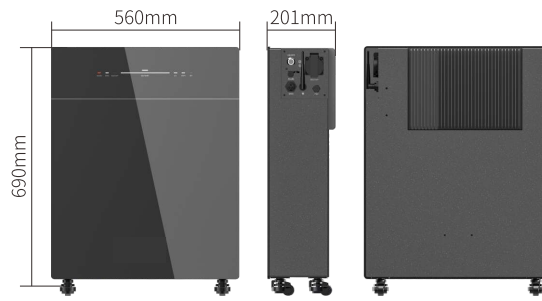
ENERGYCUBE VENUS-E

AC Coupled ESS

- 5.12kWh Capacity
- 2.5kW On-grid, Plug & Play
- 2.5kW Back-up During Grid Shortage
- Compatible with any Existing PV System
- Simplest Micro Powerplant
- Saving & Making Money



SPECIFICATIONS



Model	VENUS-E
Battery Info	
Rated Voltage	51.2V (16S)
Capacity	5120Wh
Life Cycle (Times)	>6000 (25°C)
Battery Type	LiFePO ₄
DoD	90%
AC Input / Output (On Grid)	
Rated Input / Output Power	2.5kVA
Operating Phase	L / N / PE
Rated Grid Voltage	230V
Grid Voltage Range	187V ~ 253V
Rated Grid Frequency	50Hz
Rated Grid Output Current	10.9A
Power Factor	> 0.99 (Default) / 0.8 leading...0.8 lagging (Adjustable)
THDi	< 3%
Back-up (Off Grid)	
Rated Output Power	2.5kVA
Max. Apparent Output Power	3.5kVA, 10s
Rated Grid Voltage	230V
Rated Output Current	10.9A
Rated Output Voltage Frequency	50Hz
THDu(Linear Load)	<3%
Efficiency	
Battery-AC Side Max. Efficiency	> 93.5%
Protection	
Protection Level	I
Overvoltage/Voltage Withstand Level	DC II / AC III
General	
Isolation Type	Isolated
Operating Temperature Range	-20°C ~ + 55°C(Storage -30°C ~ + 85°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 EN50549-1,UNE217001/217002,NTS 631,CE10-21,PETREE,PN-EN 50549-1/-2,G98, AS4777.2
Regulatory/EMC	IEC62040,IEC62477,IEC/EN 61000-6-1/-2/-3/-4,IEC/EN 61000-3-2/-3,EN 300 328,EN 301 489 -1/-17, EN 50665,CB 62619
Dimension	560*690*201mm
Weight	60 ± 0.5kg
Additional Data	
On-grid AC Connection	Three-wire Household Plug (Euro16A)
Back-up Connection	Three-hole socket (Euro socket)
Display	LED
Supported Communication Interface	WIFI & RS485 (Waterproof aviation plug)

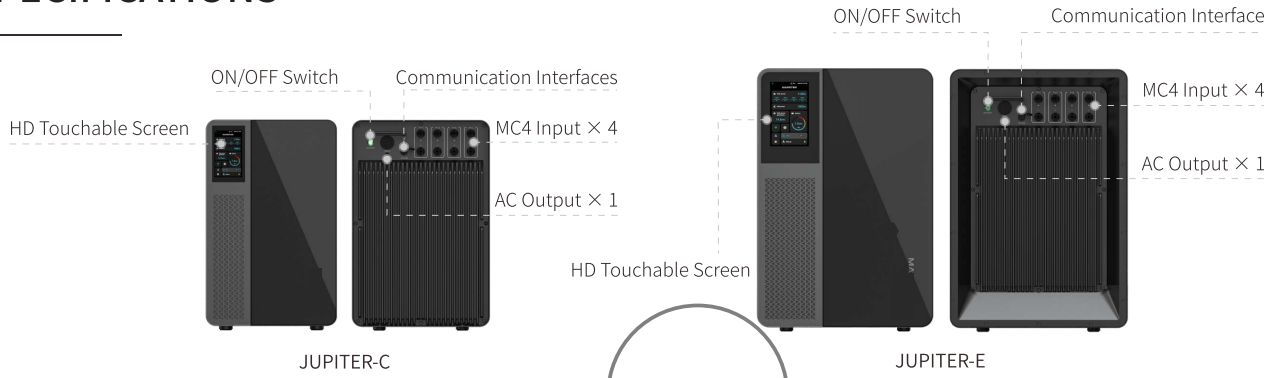
JUPITER-C/E

All-In-One Balcony ESS

- 4 MPPT for 2kW PV Input
- 2.56kWh / 5.12kWh Battery Capacity
- 800W On-grid, Plug & Play
- Anti Feed-in, 100% Self-consumption (By CT)
- IP65 Waterproof



SPECIFICATIONS



Model	JUPITER-C	JUPITER-E
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*4 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	800W	
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	265*417*228mm	365*538*268mm
Weight	38±0.5kg	59.5±0.5kg
Material	SPCC	
Operating Temp.	-20°C ~ +60°C	
Protection Rated	IP65	
Cooling Strategy	Natural Convection	
Altitude	≤2000m	
Humidity	0~95%	
On-grid Connection Standard	VDE 4105/0124,TOR R25, NF EN50549-10,C10/110,UNE 217001/217002,NT S631,CE I0-21,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	
Additional Data		
On-grid AC Connection	Three-wire Household Plug	
Display	4.3 inch LCD	
Supported Communication Interface	WIFI,BT,USB-A,RS485	

FLEXIBLE SOLAR PANEL

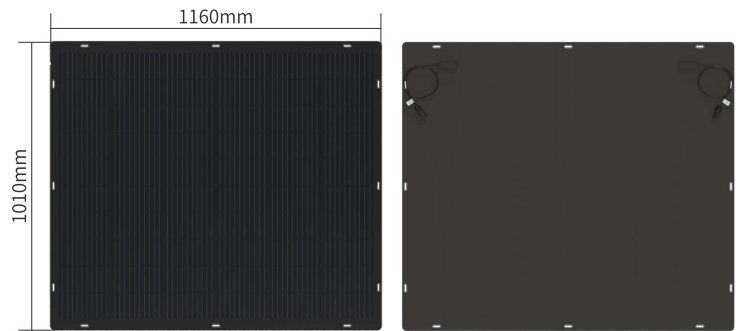
- 110W/pcs, 220W/pcs
- Lightweight, 2kg~3.9kg only
- Easy Installation, Tools-free
- Designed for Balcony, RV, Yacht etc



SPECIFICATIONS



MST-FSP-110W



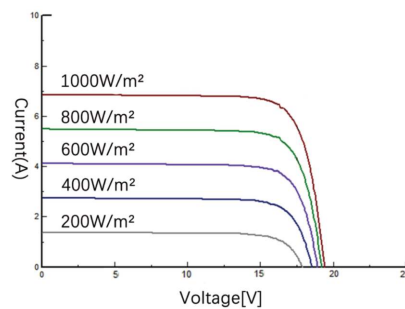
MST-FSP-220W

Model Type	MST-FSP-110W	MST-FSP-220W
Specifications		
Maximum Output Power	110W	220W
Power Tolerance	±5W	±5W
Open-circuit Voltage(Voc)	20.5V	20.5V
Short-circuit Current(Isc)	6.43V	12.88A
Voltage at Pmax(Vmp)	17.6V	17.6V
Current at Pmax(Imp)	5.96A	11.93A
Cell Efficiency(%)	23%	23%
Solar Cell	Single Crystal Prec, A Class	Single Crystal Prec, A Class
Operating Temperature	-20°C to 60°C	-20°C to 60°C
Expanded Dimensions	610*1010*3mm	1160*1010*3mm
Maximum System Voltage	600VDC	600VDC
Weight	2±0.3kg	3.9±0.3kg
Connector Type	MC4, 900mm, 1.5mm ² PV Cable	MC4, 1000mm, 4mm ² PV Cable
Certification	CE, Rohs, TUV	CE, Rohs, TUV

*STC.1000W/m². T=25°C. AM=1.5

Temperature Characteristics	
NOCT(Nominal Operating Cell Temperature)	45 ± 2°C
Temperature Coefficient of Pmax	-0.38%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	0.020%/°C

I-V CURVE



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 supports 2.4G WIFI network.

Grid

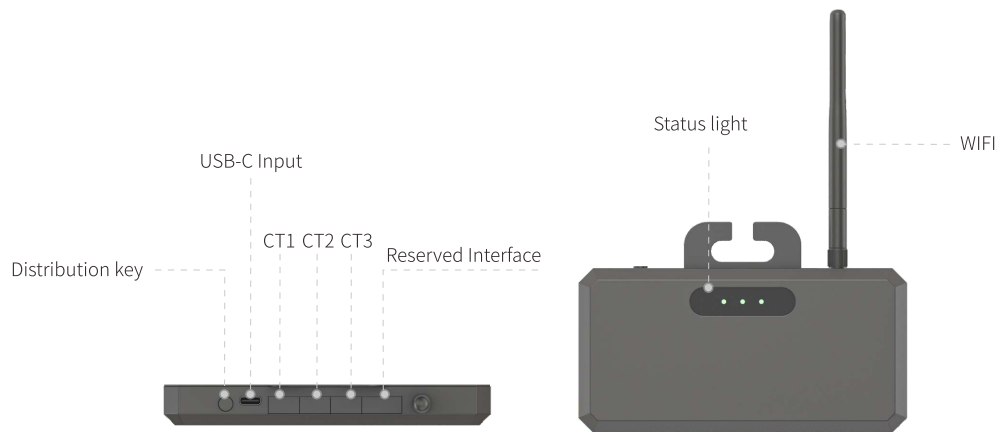


Meter



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%