

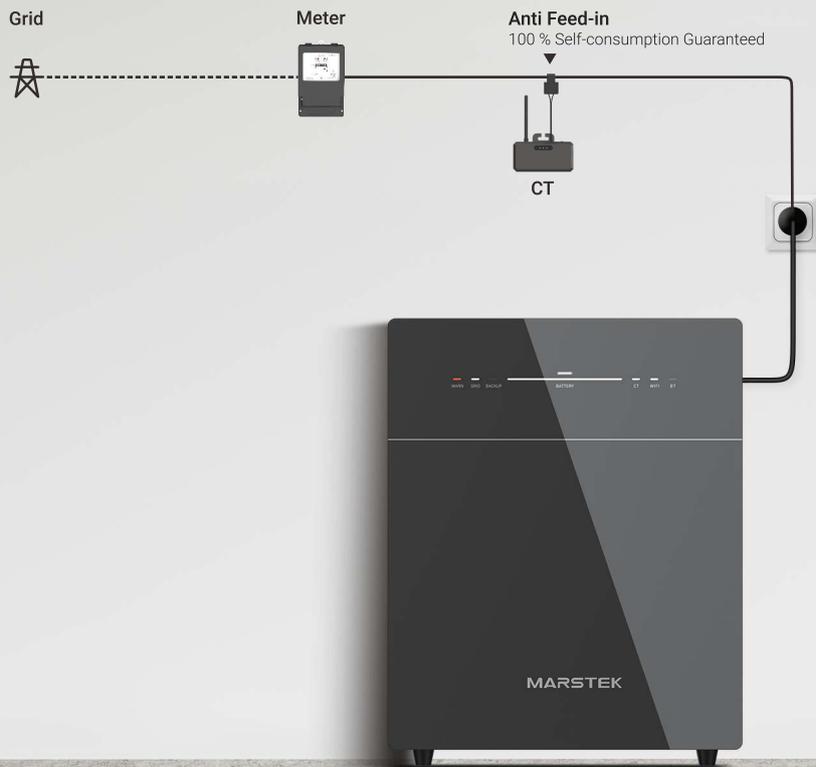
MARSTEK

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



Marstek Energy Co., Limited

Add: BLDG#A, Changfang Industrial Park, No.2 Guihua 5th Road, Pingshan District, Shenzhen, Guangdong, China

Tel: 86-755-28398778

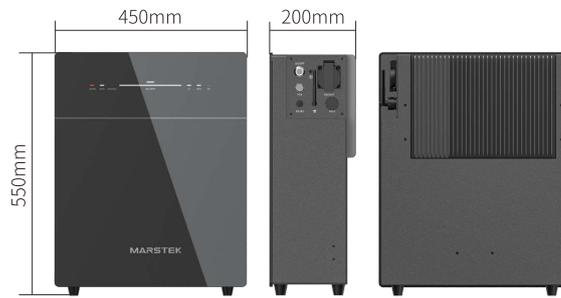
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Product Manual

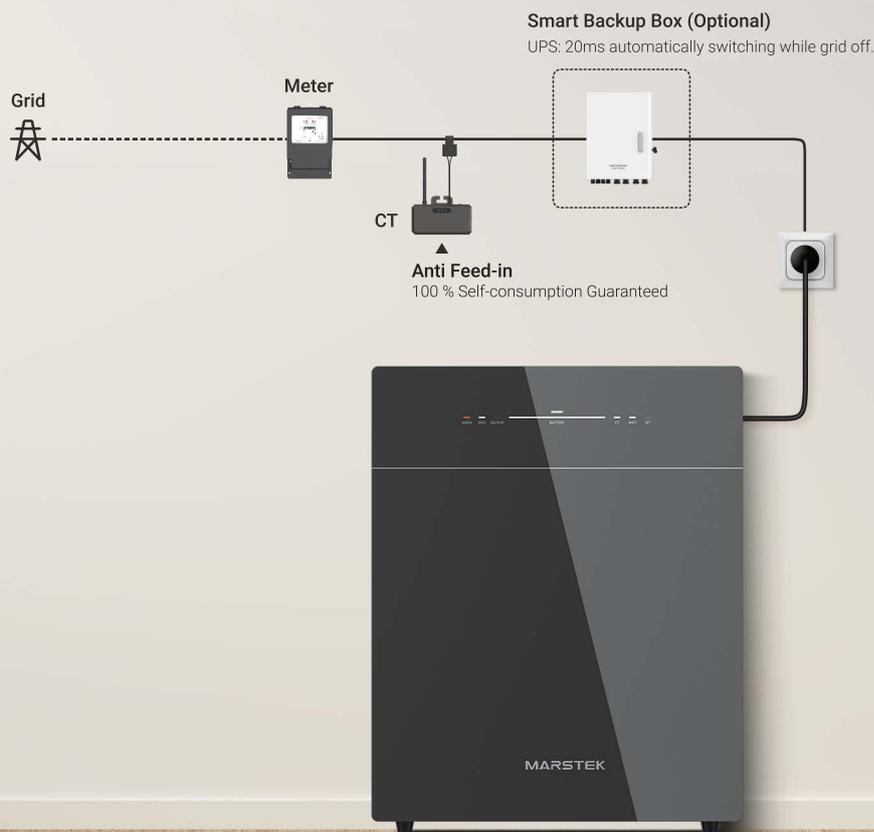
SPECIFICATIONS



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)

VENUS-E AC Coupled ESS

- 2.5kW Multi On-grid, Plug & Play
- 5.12kWh 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



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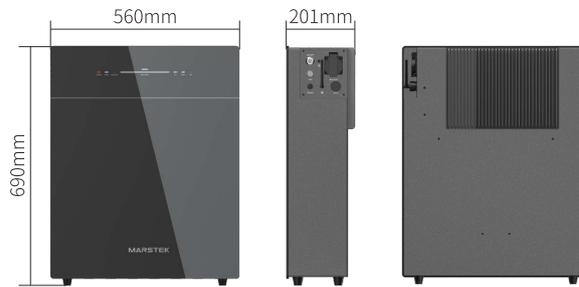
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SPECIFICATIONS



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
Oversvoltage/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)