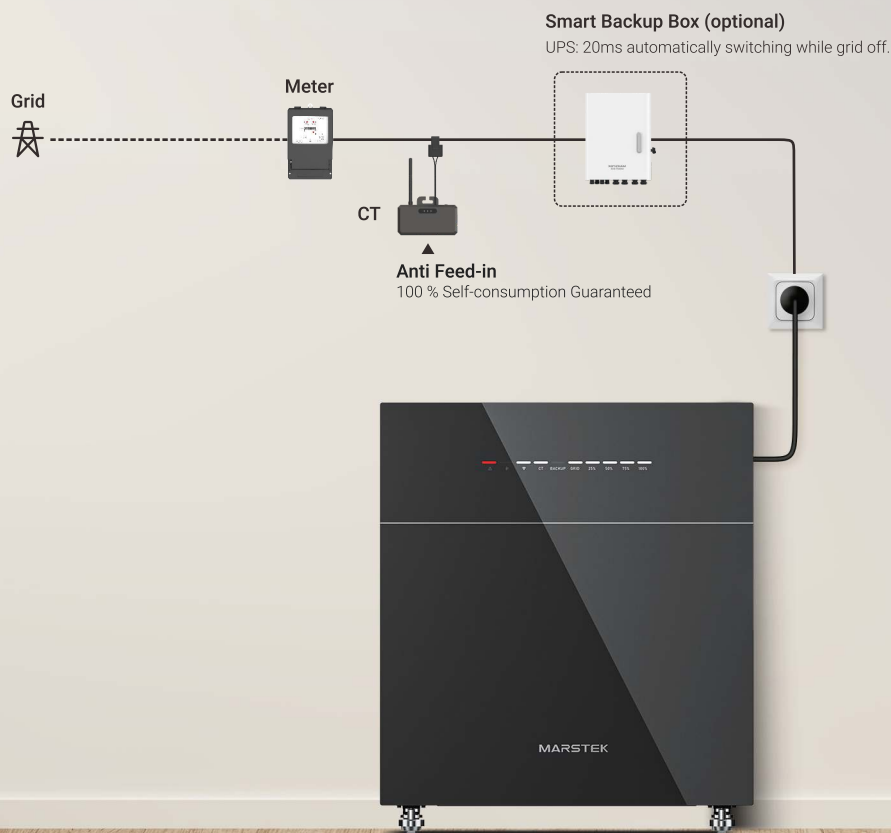


## VENUS-E AC Coupled ESS

- 2.5kW Multi On-grid, Plug & Play
- 5.12kWh
- 2.5kW Back-up & Off-grid
- Anti Feed-in ,100% Self-consumption (by CT)
- RS485 EMS , Peak Shaving and Valley Filling



### Marstek Energy Co., Limited

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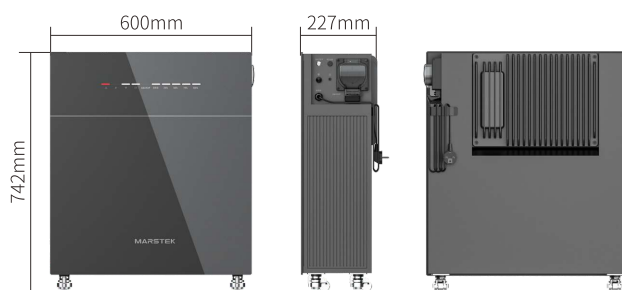
Email: market@marstekenergy.com

Web: www.marstekenergy.com



Product Manual

# SPECIFICATIONS



Model	VENUS-E
<b>Battery Info</b>	
Rated Voltage	51.2V (16S)
Capacity	5120Wh
Life Cycle (Times)	>6000(25°C)
Battery Type	LiFePO <sub>4</sub>
DoD	90%
Current	60A
<b>AC Input / Output (On Grid)</b>	
Rated Input / Output Power	2.5kW
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%
<b>AC Output (Off Grid)</b>	
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%
<b>Efficiency</b>	
Battery-AC Side Max.Efficiency	> 93.5%
<b>Protection</b>	
Protection Level	I
Overvoltage/Voltage Withstand Level	DC II / AC III
<b>General</b>	
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	VDE4105, IEEE1547, CPUC Rule21, SRD V2.0, UL1741 SA, UL1741 SB
Regulatory/EMC	IEC / EN 62109-1 / -2, IEC / EN 61000-6-1 / -2 / -3 / -4,UL1741, CSA C22.2 No. 107.1:16,UL1998 / FCC
Dimension	600*742*227mm
Weight	60±0.5kg
<b>Additional Data</b>	
On-grid AC Connection	Three-wire Household Plug (Euro16A)
Display	LED
Supported Communication Interface	WIFI & RS485 (Waterproof aviation plug)