



MARSTEK VENUS E MAX

3.6kW 10kWh AC-Coupled Battery Storage



Grid-Tied & Backup Power

3.6kW Bidirectional Grid-Tied Power with 3.6kW Backup Output for Reliable Home Energy



Ample Energy Storage

10kWh High-Capacity Storage for Stable All-Day Power & Greater Energy Independence



Plug-in SmartBox Parallel Expansion

Supports up to 3 Units in Single & Three-Phase Parallel Connection Expandable to 10.8kW / 30kWh in Minutes



Integrated Energy & EV Charging

Compatible with MARSTEK Portable EV Charger Seamless Home Energy Storage & EV Charging



Intelligent Energy Management

AI Optimization & VPP Scheduling to Reduce Energy Costs Efficiently



Ultra-Safe & Durable

314Ah LFP Cells with 10,000+ Cycles for Stable Long-Term Operation

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SPECIFICATIONS



Model	MARSTEK VENUS E MAX
AC: Grid-Tied Input	
Rated Input Power	3.6kVA
Operating Phase	L/N/PE
Rated Grid Voltage	230V/220V
Rated Grid Frequency	50Hz/60Hz
Rated Grid Input Current	15.65A
Power Factor	>0.99
THDi	<3%
AC: Grid-Tied Output	
Rated Output Power	800VA / 3.6kVA
Operating Phase	L/N/PE
Rated Grid Voltage	230V/220V
Rated Grid Frequency	50Hz/60Hz
Rated Grid Output Current	3.48A/15.65A
Power Factor	>0.99 Default (-0.8~0.8 Adjustable)
THDi	<3%
AC: Off-Grid Output	
Rated Output Power	3.6kVA
Peak Output Power	3.78kVA, 60S
Rated Output Current	15.65A
Rated Voltage	230V
Rated Frequency	50Hz
THDu	<3%
Battery Parameters	
Nominal Voltage	32V
Capacity	10.048kWh(314Ah*10S)
Cycle Life	>10000(25°C)
Battery Type	LiFePO4
Depth of Discharge (DOD)	90%
Efficiency	
Maximum Efficiency (Battery Side and AC Side Cycle)	>92%
Protection	
Protection Class	I
Overvoltage Category	DC II/AC III
General	
Dimensions	750*450*210mm
Weight	86kg
Ambient Temperature Range	-20~+60°C (Storage: -30~+85°C)
Relative Humidity	0~95%
Ingress Protection Rating	IP65
Cooling Method	Natural Convection
Maximum Altitude	2000m
Grid-Connected AC Port	MST-Grid Port
Off-Grid Port	UK Standard Socket
Display	LCD
Communication	Bluetooth, WiFi, LAN, RS-485