MARSTEK
Power Anywhere & Anytime




# MARSTEK VENUS E Mini

## 1.5kW 2kWh Plug-in Battery

**Efficient Bidirectional Power**
1.5kW bidirectional power for worry-free energy

**Reliable Backup Protection**
1.5kW Backup Power, Peak at 1.8kW

**Quick Installation**
Plug & Play in 5 Minutes

**Compact Design**
2kWh Usable Capacity per Unit

**MARSTEK AI**
AI-Driven Energy Optimization

**Built for Durability**
10000+ Cycles LFP Cells | IP65 | 10-Year Warranty

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## SPECIFICATIONS



| | |
|---|---|
| Model | MARSTEK VENUS B |
| **Host Battery Parameters** | |
| Rated Voltage | 6.4V |
| Capacity | 2009.6Wh (314Ah*2S) |
| Cycle Life | 10000+ |
| Battery Cell Type | $LiFePO_4$ |
| Depth of Discharge (DoD) | 90% |
| **AC Input** | |
| Rated Input Power | 1.5kVA |
| Working Phase | L/N/PE |
| Rated Grid Voltage / Frequency | 230V/50Hz |
| Rated Grid lutput Current | 6.52A |
| Power Factor | >0.99 (default), 0.8 lagging...0.8 leading (adjustable) |
| THDi | <3% |
| **AC Output** | |
| Rated Output Power | 800VA/1.5kVA |
| Working Phase | L/N/PE |
| Rated Grid Voltage / Frequency | 230V/50Hz |
| Rated Grid Output Current | 3.48A/6.52A |
| Power Factor | >0.99 (Default), 0.8 lagging...0.8 leading (Adjustable) |
| THDi | <3% |
| **Backup (Off-Grid)** | |
| Rated Input/Output Power | 1.5kVA |
| Peak Input/Output Power | 1.8kVA (60s) |
| Rated Input/Output Current | 6.52A |
| Rated Voltage / Frequency | 230V/50Hz |
| THDu (Linear Load) | <3% |
| **Efficiency** | |
| Battery Side - AC Side Maximum Efficiency | >88% |
| **Protection** | |
| Protection Class | I |
| Overvoltage Withstand Level | DC II /AC III |
| **General** | |
| Ambient Temperature Range | -20°C ~ +60°C (Storage: -30°C ~ +85°C) |
| Dimensions | 395*(455+5)*(86+9.5)mm |
| Relative Humidity | ≤95% |
| IP Rating | IP65 |
| Cooling Method | Natural Cooling |
| Maximum Operating Altitude | 2000m |
| Grid-Connected Port | MST-grid Port |
| Off-Grid Port | Type G /BS 1363 UK Socket |
| Display | LED |
| Communication Interfaces | Bluetooth, Wi-Fi |