

# 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

#### Marstek Energy Co., Limited

Add: Bldg. 5B & 6, Phase 2, New Energy Vehicle Industrial Park, Jinque Rd., Pingshan, Shenzhen, Guangdong, China

Tel: 86-755-28398778

Email: [market@marstekenergy.com](mailto:market@marstekenergy.com)

Web: [www.marstekenergy.com](http://www.marstekenergy.com)



SPECIFICATIONS



|                                           |                                                         |
|-------------------------------------------|---------------------------------------------------------|
| Model                                     | MARSTEK VENUS B                                         |
| Host Battery Parameters                   |                                                         |
| Rated Voltage                             | 6.4V                                                    |
| Capacity                                  | 2009.6Wh (314Ah*2S)                                     |
| Cycle Life                                | 10000+                                                  |
| Battery Cell Type                         | LiFePO <sub>4</sub>                                     |
| 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 Input 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                                        |