

# MARSTEK

Power Anywhere & Anytime



## MARSTEK PLUG-IN SMARTBOX

### 3-Unit Smart Parallel Box for Whole-Home Power



#### Scalable System Architecture

Up to 3 Units Support with Flexible  
Single & Three-Phase Expansion



#### Smart Parallel Operation

Ultra-Low Power Derating with Intelligent  
Multi-Unit & Phase Balancing (<5%)



#### Quick Plug & Play Expansion

SmartBox with 3-in-1 Interface Enables  
Fast Installation and Setup



#### Selectable Backup System

Available in Manual or Automatic Versions,  
with CT or Non-CT Options

#### 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 Web: www.marstekenergy.com



## SPECIFICATIONS



| Model                                |                        | DB32T               | DB100S              |
|--------------------------------------|------------------------|---------------------|---------------------|
| Phase Type                           |                        | THREE-PHASE         | SINGLE-PHASE        |
| AC Output and Input (On-grid)        |                        |                     |                     |
|                                      | Max Input Power        | 22.1kW              | 23kW                |
|                                      | Max Input Current      | 32A                 | 100A                |
|                                      | Nominal Output Voltage | 3L/N/PE, 380/400Vac | L/N/PE, 230Vac      |
|                                      | Nominal Grid Frequency | 50/60Hz             | 50/60Hz             |
| AC Output (Bypass)                   |                        |                     |                     |
|                                      | Max Output Power       | 22.1kW              | 23kW                |
|                                      | Max Output Current     | 32A                 | 100A                |
|                                      | Nominal Output Voltage | 3L/N/PE, 380/400Vac | L/N/PE, 230Vac      |
|                                      | Nominal Grid Frequency | 50/60Hz             | 50/60Hz             |
| AC Output (Backup)                   |                        |                     |                     |
|                                      | Max Output Power       | 3.6 × 3kW           | 3.6 × 3kW           |
|                                      | Max Output Current     | 15.7 × 3A           | 15.7 × 3A           |
|                                      | Nominal Output Voltage | 3L/N/PE, 380/400Vac | L/N/PE, 230Vac      |
|                                      | Nominal Grid Frequency | 50/60Hz             | 50/60Hz             |
| Parallel Module (Single VENUS E MAX) |                        |                     |                     |
| AC Output and Input (On-grid)        | Max Input Power        | 3.6kW               | 3.6kW               |
|                                      | Max Input Current      | 15.7A               | 15.7A               |
|                                      | Nominal Output Voltage | 230V                | 230V                |
|                                      | Nominal Grid Frequency | 50/60Hz             | 50/60Hz             |
| AC Output (Backup)                   | Max Input Power        | 3.6kW               | 3.6kW               |
|                                      | Max Input Current      | 15.7A               | 15.7A               |
|                                      | Nominal Output Voltage | 230V                | 230V                |
|                                      | Nominal Grid Frequency | 50/60Hz             | 50/60Hz             |
| Communication                        |                        | CAN for Parallel    | CAN for Parallel    |
| EPS                                  |                        | Manual (option ATS) | Manual (option ATS) |
| General Data                         |                        |                     |                     |
| Dimensions (W/H/D)                   |                        | 320 × 320 × 93mm    | 320 × 320 × 93mm    |
| Weight                               |                        | 20kg                | 20kg                |
| Storage Temperature Range            |                        | -30~60°C            | -30~60°C            |
| Relative Humidity Range              |                        | 0~100%              | 0~100%              |
| Max. Operating Altitude              |                        | Derating from 2000m | Derating from 2000m |
| Cooling                              |                        | Natural cooling     | Natural cooling     |
| System Ingress Protection Rating     |                        | IP65                | IP65                |