

| Model | | INV-2.5 |
|------------------------------------|----------------------------|--|
| Main Parameter | | |
| Battery Chemistry | | LiFePO ₄ |
| Capacity (Ah) ^[1] | | 100 |
| Scalability | | Max.32 pcs in Parallel (82kWh) |
| Nominal Voltage (V) | | 25.6 |
| Operating Voltage (V) | | 21.6 ~ 28.8 |
| Energy (kWh) ^[1] | | 2.56 |
| Usable Energy (kWh) ^[1] | | 2.30 |
| Charge/Discharge Current (A) | Recommended ^[2] | 50 |
| | Max. ^[2] | 100 |
| | Peak | 120 (30s,25°C) |
| Other Parameter | | |
| Recommended Depth of Discharge | | 90% |
| Dimension (W/H/D, mm) | | 380*450*215 (without Hanging Board) |
| Weight Approximate (kg) | | 28 |
| Master LED Indicator | | 5LED(SOC:20%~SOC100%),3LED (working, alarming, protecting) |
| IP Rating of Enclosure | | IP23 |
| Operating Temperature | | Charge:0~+55°C / Discharge:-20°C~+55°C |
| Storage Temperature | | 0°C ~ +35°C |
| Humidity | | 5%~95% |
| Altitude | | ≤2000m |
| Cycle Life | | ≥4000(25°C±2°C,0.2C/0.2C,90%DOD,70%EOL) |
| Installation | | Wall-Mounted |
| Communication Port | | CAN2.0, RS485 |
| Warranty Period ^[3] | | 5 years |
| Energy Throughput ^[3] | | 4MWh@70%EOL |
| Certification | | UN38.3, MSDS |

[1] DC Usable Energy, test conditions: 90% DOD, 0.2C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] The warranty is due whichever reached first of warranty period or energy throughput.

Introduction

This series lithium iron phosphate battery is one of new energy storage products developed and produced by Inverex, It can be used to support reliable power for various types of equipment and systems.

This series is especially suitable for application scene of low power, limited installation space, restricted load-bearing and long cycle life.

This series has built-in BMS battery management system, which can manage and monitor cells information including voltage, current and temperature. What's more, BMS can balance cells charging and discharging to extend cycle life.

Multiple batteries can connect in parallel for larger capacity and longer power supporting duration requirements.

