

## Description

This product is designed for the demanding of power supply in high density urban and residential environment for 4G/5G devices.

Natural-cooling design, all the system parts, including the rectifier, controller, are housed in an IP65 aluminum alloy box, ensure stability and reliability with outdoor and indoor environment conditions.

## Features

Beautiful appearance, low noise, multi scene application

No rent for land occupation, easy construction of the base station

Fast installation, 2 workers in 1 hour time

Support wide AC input voltage range and DC input as well

Nature-cooling design, noise free, high environmental adaptability and reliability

Convenient networking and intelligent management

Refined load management

High efficiency and less cable power consumption

High reliability, maintenance free in life cycle

Realize 5G smooth expansion and rapid evolution

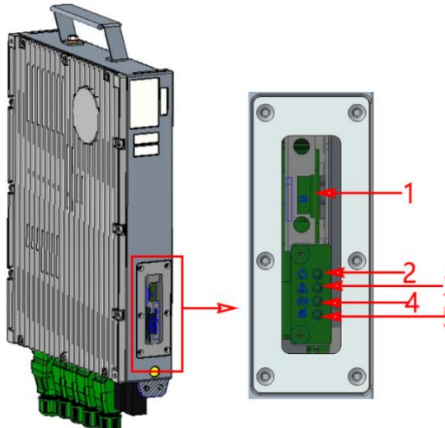
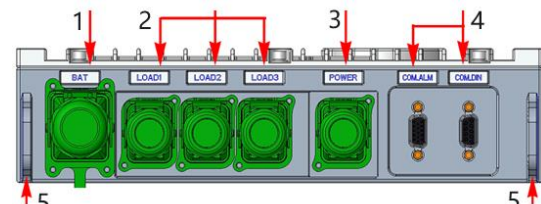
## Specification

| Input Specification    |                                                           |
|------------------------|-----------------------------------------------------------|
| AC Input Rated Voltage | 220Vac                                                    |
| AC Input Voltage Range | 90Vac~300Vac (90~176Vac derating; 176~300Vac full load)   |
| AC Input Current       | 18A (Max)                                                 |
| AC Input Frequency     | 50Hz (45Hz-66Hz)                                          |
| Input Power Factor     | ≥0.99 (full load)<br>≥0.98 (50% load)<br>≥0.97 (20% load) |
| iTHD                   | 5% (full load)<br>8%(50% load)<br>12% (20% load)          |
| Inrush Current         | ≤150% of maximum steady-state input current peak          |
| Leakage Current        | <3.5mA                                                    |
| Input Cable            | 1 AC input port, single phase 3-wire, 3*4 Sq cable        |
| Input Surge Protection | 8/20μs, In 20kA                                           |
| Input Protection       | Under voltage<br>Overvoltage protection                   |

|                                |                                                                                                                                                        |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                | Low voltage shutdown<br>Over-current protection                                                                                                        |
| Input Terminals                | 1 AC/DC input port, single phase 3-wire, 3*4 Sq cable                                                                                                  |
| Output Specification           |                                                                                                                                                        |
| Output Voltage                 | 54.5Vdc (adjustable 43Vdc to 58Vdc)                                                                                                                    |
| Output Current                 | 55.2A (62.5A)                                                                                                                                          |
| Output Power                   | 3000W                                                                                                                                                  |
| Load Regulation                | ±0.5%                                                                                                                                                  |
| Static Voltage Regulation      | ±0.6%                                                                                                                                                  |
| Line Regulation                | ±0.1%                                                                                                                                                  |
| Ripple Voltage                 | 200mv                                                                                                                                                  |
| Efficiency                     | ≥96.5% (50% Io load~100% Io load)                                                                                                                      |
| Dynamic Response Recovery Time | 200us (Io Load Change: 25%-50%-25%; 50%-75%-50%)<br>50ms (Io Load Change: 10%-90%-10%)                                                                 |
| Startup Time                   | 3s~10s                                                                                                                                                 |
| On/off Overshoot               | 5% (Rated input voltage, rated load)                                                                                                                   |
| Average Current                | ±5% (50%-100% load)                                                                                                                                    |
| Current Regulated Accuracy     | ±3% (20%-100% load)                                                                                                                                    |
| Output Surge Protection        | 8/20μs, 10kA                                                                                                                                           |
| Output Protection              | Output short circuit protection<br>Output over-voltage protection<br>Output under voltage alarm<br>Output current limit<br>Over temperature protection |
| Modules Parallel               | Support parallel operation of two identical units                                                                                                      |
| Output Terminals               | DC load:<br>3*40A load ports<br>1*60A battery ports<br>2* RS485 communication port                                                                     |
| Other Specification            |                                                                                                                                                        |
| Controller                     | 3*dry contacts:<br>Rectifier fail<br>Mains fail<br>Battery fail                                                                                        |
| Interface                      | Bluetooth, 4G and RS485                                                                                                                                |
| Cooling                        | Natural cooling                                                                                                                                        |
| Cable Entry                    | Bottom                                                                                                                                                 |
| Environment                    |                                                                                                                                                        |
| Operating Temperature Range    | -40℃ to +70℃                                                                                                                                           |
| Storage Temperature Range      | -40℃ to +70℃                                                                                                                                           |
| Relative Humidity              | 5% to 95% RH, non-condensing                                                                                                                           |

|                       |                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------|
| Altitude              | ≤-60~4000m (3000~4000m, Working temperature 1°C Per 200m)                             |
| Windproof             | To withstand relative wind speed erosion with installation height of 10m/s and 335m/s |
| Noise                 | 45dB(A)                                                                               |
| Physical              |                                                                                       |
| IP Rating             | IP65                                                                                  |
| Dimensions (H*W*D mm) | 370*280*71                                                                            |
| Net Weight (kg)       | ≤9kg                                                                                  |
| Installation          | Wall / pole / floor / angle steel tower                                               |
| Standard              |                                                                                       |
| Safety                | EN/IEC 60950-1                                                                        |
| EMC                   | Class A, EN61000-4-5, EN55024                                                         |

## Port and Light Identify

|                                                                                                         |                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Side lights</p>   | <ul style="list-style-type: none"> <li>1, SIM Card Slot</li> <li>2, Running LED</li> <li>3, Warning LED</li> <li>4, Failure LED</li> <li>5, Wireless LED</li> </ul>                 |
|  <p>Bottom ports</p> | <ul style="list-style-type: none"> <li>1, Battery Port</li> <li>2, DC Load x3</li> <li>3, AC Input</li> <li>4, COM_ALM(DB15) and COM_DIN Port(DB9)</li> <li>5, Grounding</li> </ul> |

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