



# IPS3600-5000

## Single Phase Off-grid Inverter

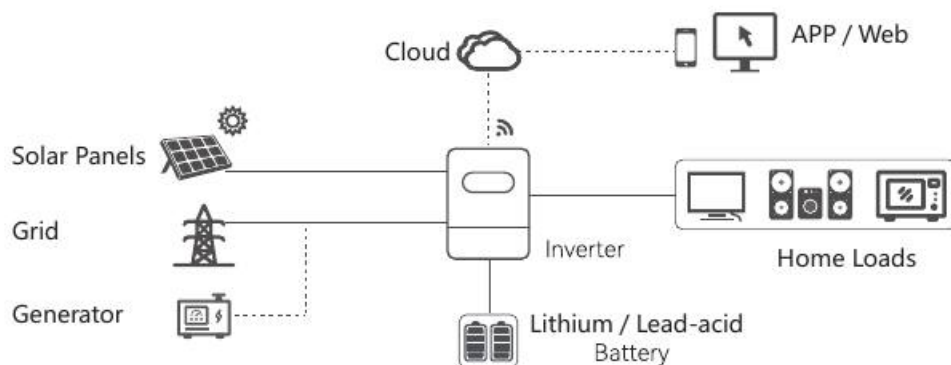
It is applicable to 208/220/230/240V voltage systems



- Built-in 160A Solar Charger.
- Wide PV Input Voltage Range 40~450V.
- 27A MAX PV Input.
- Dual AC Output.
- Support Meter
- Support Lithium/Lead-acid Batter.
- Lithium Battery Activation.
- Support Generator ATS Control.
- Feed-in to Grid.
- WiFi Monitoring(optional/built-in).



### System Diagram



### Technical Data

| MODEL                              | IPS3600-24                                                                 | IPS5000-24                        |
|------------------------------------|----------------------------------------------------------------------------|-----------------------------------|
| <b>AC Input</b>                    |                                                                            |                                   |
| Rated Input Voltage (VAC)          | 208 / 220 / 230 / 240; L + N + PE                                          |                                   |
| Voltage Range (VAC)                | 90~280±3 (normal mode); 170~280±3 (UPS mode)                               |                                   |
| Frequency (Hz)                     | 50 / 60 (Auto Adaptive)                                                    |                                   |
| <b>AC Output</b>                   |                                                                            |                                   |
| Rated Capacity (kW)                | 3.6                                                                        | 5                                 |
| Surge Power (kVA)                  | 7.2                                                                        | 10                                |
| Voltage (VAC)                      | 208 / 220 / 230 / 240                                                      |                                   |
| Power Factor (PF)                  | 1                                                                          |                                   |
| Frequency                          | 50/60Hz±0.1%                                                               |                                   |
| Switch Time (ms)                   | 10 (APP/UPS mode) / 20 (GEN mode)                                          | 10 (normal mode) / 10 (UPS mode)  |
| Wave Form                          | Pure Sine Wave                                                             |                                   |
| Overload Capacity (Battery Mode)   | 60s@102%-110% load, 10s@110%-130% load, 3s@130%-150% load, 0.2s@>150% load | 1min@102%-120%load, 10s>120% load |
| Max. Efficiency (Battery Mode)     | 92.7%@24VDC                                                                | 93.5%@24VDC                       |
| Parallel Operation Support         | NA                                                                         |                                   |
| <b>Charger (PV / AC)</b>           |                                                                            |                                   |
| Solar Charger Type                 | MPPT                                                                       |                                   |
| Max PV input current / power       | 18A / 5000W                                                                | 27A / 9000W                       |
| MPPT Range@Operating Voltage (VDC) | 40~450                                                                     | 60~450                            |
| Max PV Open Circuit Voltage (VDC)  | 500                                                                        | 500                               |
| Max PV Charge Current (A)          | 100                                                                        | 160                               |
| Max AC Charge Current (A)          | 100                                                                        | 160                               |
| Max. Charge Current (PV + AC) (A)  | 100                                                                        | 160                               |
| <b>Battery</b>                     |                                                                            |                                   |
| Rated Voltage (VDC)                | 24                                                                         | 24                                |
| Floating Charge Voltage (VDC)      | 27                                                                         | 27                                |
| Overcharge Protection (VDC)        | 30.5                                                                       | 30.5                              |
| Battery Type                       | Lithium and Lead-acid                                                      |                                   |
| <b>Interface</b>                   |                                                                            |                                   |
| HMI                                | LCD/RGB                                                                    |                                   |
| Interface                          | RS485 / CAN / RS232                                                        | RS485 / CAN / RS232               |
| Monitoring                         | WiFi (Optional)                                                            | WiFi (optional)                   |
| <b>General Data</b>                |                                                                            |                                   |
| Ingress Protection                 | IP54                                                                       |                                   |
| Warranty                           | 2 years                                                                    |                                   |
| Operating Temperature              | -10 °C - 60 °C                                                             |                                   |
| Relative Humidity                  | 5% ~ 95% (Non-condensing)                                                  |                                   |
| Storage Temperature                | -15 °C - 60 °C                                                             |                                   |
| Net Weight (kg)                    | 6.2                                                                        | 8.4                               |
| Dimensions (W*H*D)                 | 420*284*94mm                                                               | 410*336*110mm                     |
| Max. Operating Altitude            | 4000m (Derating above 1000m)                                               |                                   |

Product specifications are subject to change without further notice.