

# Single Phase Hybrid Inverter

Jup-5/6/8/10G1-LE  
Jup-5/6/8/10G2-LE



## Product Features

- Support different power inverters parallel connection
- Up to 20 PCS inverters parallel for off-grid operation
- Support on/off grid mode switch, EPS output
- Colorful 5-inch touch LCD, IP65 protection degree
- Support battery charging/discharging according to the time setting
- Independent AC input port for diesel generator
- Support storing energy from diesel generator
- ARC fault detection optional

### Technical Data

| Model                                   | Jup-5G1-LE<br>Jup-5G2-LE                                                                                                                                                                                                          | Jup-6G1-LE<br>Jup-6G2-LE | Jup-8G1-LE<br>Jup-8G2-LE | Jup-10G1-LE<br>Jup-10G2-LE |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|----------------------------|
| Battery Input Data                      |                                                                                                                                                                                                                                   |                          |                          |                            |
| Battery Type                            | Lead-acid or Li-ion                                                                                                                                                                                                               |                          |                          |                            |
| Battery Voltage Range (V)               | 40-60                                                                                                                                                                                                                             |                          |                          |                            |
| Max. Charge Current (A)                 | 120                                                                                                                                                                                                                               | 140                      | 190                      | 210                        |
| Max. Discharge Current (A)              | 120                                                                                                                                                                                                                               | 140                      | 190                      | 210                        |
| Charging Curve                          | 3 Stages/Equalization                                                                                                                                                                                                             |                          |                          |                            |
| External Temperature Sensor             | Optional                                                                                                                                                                                                                          |                          |                          |                            |
| Charging Strategy for Li-Ion Battery    | Self-Adaption to BMS                                                                                                                                                                                                              |                          |                          |                            |
| PV String Input Data                    |                                                                                                                                                                                                                                   |                          |                          |                            |
| Max. DC Input Power (W)                 | 7,500                                                                                                                                                                                                                             | 9,000                    | 12,000                   | 15,000                     |
| Max.PV Input Voltage(V)                 | 500                                                                                                                                                                                                                               |                          |                          |                            |
| PV Input Voltage (V)                    | 370(125-500)                                                                                                                                                                                                                      |                          |                          |                            |
| MPPT Range (V)                          | 125~425                                                                                                                                                                                                                           |                          |                          |                            |
| Start-up Voltage (V)                    | 120                                                                                                                                                                                                                               |                          |                          |                            |
| PV Input Current (A)                    | 26+26                                                                                                                                                                                                                             |                          |                          |                            |
| Max. PV Isc (A)                         | 34+34                                                                                                                                                                                                                             |                          |                          |                            |
| No. of MPPT Trackers                    | 2                                                                                                                                                                                                                                 |                          |                          |                            |
| No. of String Per MPPT Tracker          | 2/2                                                                                                                                                                                                                               | 2/2                      | 2/2                      | 2/2                        |
| AC Output Data                          |                                                                                                                                                                                                                                   |                          |                          |                            |
| Rated AC Output Power and UPS Power (W) | 5,000                                                                                                                                                                                                                             | 6,000                    | 8,000                    | 10,000                     |
| Max. AC Output Power (W)                | 6,000                                                                                                                                                                                                                             | 7,200                    | 9,600                    | 12,000                     |
| Peak Power(off grid)                    | 2 times of rated power, 10s                                                                                                                                                                                                       |                          |                          |                            |
| AC Output Rated Current (A)             | 21.73                                                                                                                                                                                                                             | 26.08                    | 34.78                    | 43.47                      |
| Max. AC Current (A)                     | 26.08                                                                                                                                                                                                                             | 31.3                     | 41.73                    | 52.17                      |
| Max. Continuous AC Passthrough (A)      | 50                                                                                                                                                                                                                                | 50                       | 50                       | 60                         |
| Power Factor                            | 0.8 leading to 0.8 lagging                                                                                                                                                                                                        |                          |                          |                            |
| Output Frequency and Voltage            | 50/60Hz/230Vac(single phase)                                                                                                                                                                                                      |                          |                          |                            |
| Grid Type                               | single phase                                                                                                                                                                                                                      |                          |                          |                            |
| Current Harmonic Distortion             | THD<3%(Linear load <1.5%)                                                                                                                                                                                                         |                          |                          |                            |
| Efficiency                              |                                                                                                                                                                                                                                   |                          |                          |                            |
| Max. Efficiency                         | 97.90%                                                                                                                                                                                                                            |                          |                          |                            |
| Euro Efficiency                         | 97.00%                                                                                                                                                                                                                            |                          |                          |                            |
| MPPT Efficiency                         | 99.90%                                                                                                                                                                                                                            |                          |                          |                            |
| Protection                              |                                                                                                                                                                                                                                   |                          |                          |                            |
| Integrated                              | PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection |                          |                          |                            |
| PV ARC Fault Detection                  | Optional                                                                                                                                                                                                                          |                          |                          |                            |
| Output Over Voltage Protection          | DC Type II/AC Type III                                                                                                                                                                                                            |                          |                          |                            |
| Certification and Standards             |                                                                                                                                                                                                                                   |                          |                          |                            |
| EMC/Safety Regulation                   | IEC/EN 62109-1 IEC/EN 62109-2,IEC/EN 61000-6-1,IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4                                                                                                                               |                          |                          |                            |
| General Data                            |                                                                                                                                                                                                                                   |                          |                          |                            |
| Operating Temperature Range(℃)          | -45~60,>45 Derating                                                                                                                                                                                                               |                          |                          |                            |
| Cooling                                 | Smart cooling                                                                                                                                                                                                                     |                          |                          |                            |
| Noise(dB)                               | ≤45                                                                                                                                                                                                                               |                          |                          |                            |
| Communication with BMS                  | CAN, RS485                                                                                                                                                                                                                        |                          |                          |                            |
| Weight (kg)                             | 34/35                                                                                                                                                                                                                             |                          |                          |                            |
| Dimensions (mm)                         | G1: 514W×749H×291D/G2: 514W×665H×292D                                                                                                                                                                                             |                          |                          |                            |
| Protection Degree                       | IP65                                                                                                                                                                                                                              |                          |                          |                            |
| Installation Style                      | Wall-mounted                                                                                                                                                                                                                      |                          |                          |                            |