

Single Phase On Grid Inverter



CE-IP2/3.6KEG
CE-IP3/4KEG-Mini

Product Features

- High PV input current, up to 18A
- Low PV start-up voltage, generate power earlier
- Support Bluetooth communication, easier to set and monitor inverter parameters
- High converter efficiency
- IP66 protection degree
- ARC fault detection optional

Technical Data

| Model | CE-IP2KEG | CE-IP3KEG-Mini | CE-IP3.6KEG | CE-IP4KEG-Mini |
|----------------------------------|-----------|----------------|---|----------------|
| Input (PV) | | | | |
| Max. Input Voltage (V) | | | 600 | |
| Start-up Input Voltage (V) | | | 40 | |
| MPPT Voltage Range (V) | | | 80-580 | |
| Max. Input Current (A) | | | 18 | |
| Max. Short Circuit Current (A) | | | 22 | |
| Number of MPPTs | | | 1 | |
| String Number per MPPT | | | 1 | |
| Output (Grid) | | | | |
| Rated Output Power (kW) | 2 | 3 | 3.6 | 4 |
| Max. Output Apparent Power (kVA) | 2 | 3 | 3.6 | 4 |
| Max. Output Active Power (kW) | 2 | 3 | 3.6 | 4 |
| Rated AC Voltage (V) | | | 220/230/240, L+N+PE | |
| AC Voltage Range (V) | | | 180-300 (adjustable) | |
| Max. Output Current (A) | 8.7 | 13.0 | 15.7 | 17.4 |
| Rated Grid Frequency (Hz) | | | 50/60 | |
| Grid Frequency Range (Hz) | | | 45-55/55-65 | |
| Power Factor | | | >0.99, 0.8 leading~0.8 lagging | |
| THDi | | | <3% | |
| DC Current Injection | | | <0.5%In | |
| Efficiency | | | | |
| Max. Efficiency | | | 98.6% | |
| European Efficiency | | | 98.1% | |
| Protection | | | | |
| Ground Fault Monitoring | | | Support | |
| Output Over Voltage Protection | | | Support | |
| Anti-islanding Protection | | | Support | |
| Intergrated AFCI | | | Optional | |
| DC Reverse Protection | | | Support | |
| Surge Arrester | | | DC Type II/ AC Type III | |
| General | | | | |
| Topology | | | Transformerless | |
| Ingress Protection | | | IP66 | |
| Cooling | | | Natural cooling | |
| Operating Temperature Range (°C) | | | -25~+60, >45 derating | |
| Relative Humidity Range | | | 0-100% (no condensing) | |
| Max. Operating Altitude (m) | | | 3,000 | |
| Noise Emission (dB) | | | ≤20 | |
| Dimension (mm) | | | 342W×352H×110D | |
| Weight (kg) | | | 6 | |
| Display | | | Wireless, APP, LCD | |
| Communication | | | WiFi (2.4G), 4G, GPRS, Bluetooth, RS485 | |
| Certification | | | | |
| Safety Standard | | | IEC62109-1/-2 | |
| EMC Standard | | | IEC61000-6-1/-2/-3 | |
| Grid Code | | | AS4777.2, EN50549-1, G98, G99, ABNT NBR16149, ABNT NBR16150, VDE4105, CEI0-21, RD1699 | |
| Warranty | | | 5 Years | |