

# Single Phase On Grid Inverter

CE-1P2K1G  
CE-1P3K1G  
CE-1P3.6K1G



## Product Features

- IP65 waterproof and dustproof, C5 anti-corrosion
- Compatible with wide power grid voltage and high harmonic power grid environment
- DC /AC SPD optional, AFCI detection optional
- Remote configuration and upgrade
- Support export power control

## Technical Data

| Model                            | CE-1P2K1G | CE-1P3K1G  | CE-1P3.6K1G |
|----------------------------------|-----------|--|-------------|
| <b>Input (PV)</b>                |           |  |             |
| Max. Input Voltage (V)           |           | 500  |             |
| Start Input Voltage (V)          |           | 70   |             |
| MPPT Voltage Range (V)           |           | 50-490   |             |
| Max. Input Current (A)           |           | 13   |             |
| Max.Short Circuit Current(A)     |           | 15   |             |
| Number of MPPTs                  |           | 1  |             |
| Max. Input String Number         |           | 1  |             |
| <b>Output(Grid)</b>              |           |  |             |
| Rated AC Active Power (W)        | 2,000     | 3,000  | 3,600       |
| Max. AC Apparent Power (VA)      | 2,200     | 3,300  | 3,600       |
| Max. AC Active Power (W)         | 2,200     | 3,300  | 3,600       |
| Rated AC Voltage (V)             |           | 220/230, L+N+PE  |             |
| Max. AC Output Current (A)       | 10        | 15   | 16          |
| Rated Grid Frequency (Hz)        |           | 50 / 60  |             |
| Grid Frequency Range (Hz)        |           | 45~55 or 55~65 (Adjustable)                              |             |
| Power Factor                     |           | >0.99 Rated power (Adjustable 0.8 Leading - 0.8 Lagging) |             |
| THDI                             |           | <3% (Rated Power)  |             |
| DC Current Injection             |           | <0.5%In  |             |
| <b>Efficiency</b>                |           |  |             |
| Max. Efficiency                  | 97.5%     | 97.8%  | 97.8%       |
| European Efficiency              | 96.5%     | 96.8%  | 96.8%       |
| <b>Protection</b>                |           |  |             |
| DC Switch                        |           | Support  |             |
| Anti-islanding Protection        |           | Support  |             |
| AC Overcurrent Protection        |           | Support  |             |
| AC Short Circuit Protection      |           | Support  |             |
| DC Reverse Connection            |           | Support  |             |
| Surge Arrester                   |           | Support  |             |
| Insulation Detection             |           | Support  |             |
| Leakage Current Protection       |           | Support  |             |
| <b>General</b>                   |           |  |             |
| Topology                         |           | Transformerless  |             |
| IP Rating                        |           | IP65   |             |
| Night Self Consumption (W)       |           | <1   |             |
| Cooling                          |           | Natural cooling  |             |
| Operating Temperature Range (°C) |           | -25 - 60   |             |
| Relative Humidity Range          |           | 0-100%   |             |
| Max. Operating Altitude (m)      |           | 4000   |             |
| Noise (dB)                       |           | 30 (Typical)   |             |
| Dimensions (mm)                  |           | 320*344*137 (W*H*D)                                      |             |
| Weight (kg)                      |           | 6.5  |             |
| Display                          |           | Wireless & APP+LED, LCD (Optional)                       |             |
| Communication                    |           | WiFi (Optional) / GPRS (Optional) / LAN (Optional)       |             |
| <b>Certification</b>             |           |  |             |
| Safety                           |           | IEC62109-1, IEC62109-2                                   |             |
| Grid Code                        |           | IEC 61727/62116, ABNT 16149/16150, IEEE1547, AS 4777     |             |
| Warranty                         |           | 5 Years  |             |