

Datasheet



Model:
EP-10KAT-5G

Loại Grid-tied PV Inverter

| Model | 5K | 6K | 8K | 10K |
|------------------------------------|--|-------|---------|---------|
| DC Input Data | | | | |
| Max. DC input power (KW) | 7 | 9 | 12 | 15 |
| Max. DC input voltage (VDC) | 550 | | | |
| MPPT voltage range (VDC) | 80~550 | | | |
| Max. DC current (A) | 20A/20A | | 20A/26A | 20A/30A |
| Recommended working voltage (VDC) | 360 | | | |
| MPPT number | 2 | | | |
| Max. input strings per MPP tracker | 1 | | 1/2 | |
| AC Output Data | | | | |
| Rated output power (KW) | 5 | 6 | 8 | 10 |
| Max. AC power (KVA) | 5.5 | 6.6 | 8.8 | 11 |
| Rated output current(A) | 25 | 27.3 | 36.4 | 45.5 |
| Rated power grid voltage (Vac) | 230 | | | |
| Power grid voltage range (Vac) | 160~270 | | | |
| Rated power grid frequency | 50Hz/60Hz | | | |
| Grid frequency range | 45~55Hz/55~65Hz | | | |
| THD | <2% (Under the rated power) | | | |
| Power factor | >0.99(Under rated power)/Adjustable range 0.8(Leading)~ 0.8 (Lagging) | | | |
| DC component | <0.5% (Under rated power) | | | |
| System Data | | | | |
| Max. Efficiency (%) | 98.1% | 98.1% | | 98.1% |
| Euro. Efficiency (%) | 97.5% | 97.5% | | 97.6% |

| | | |
|------------------------------------|--|--------------------------------|
| Humidity | 0~100%, No condensation | |
| Cooling | Natural cooling | Intelligent forced air cooling |
| Allowed ambient temperature range | -25°C~+60°C | |
| Consumption during night | <1W | |
| Noise | <40dB (When the fan starts <50dB) | |
| Max. altitude | 4000m (It needs to be derated when the altitude exceeds 2000m) | |
| Mechanical Data | | |
| Size (width x height x depth) | 347/368/167 | 347/368/190 |
| Weight | 10 | 11 |
| Protection class | IP66 (outdoor) | |
| Display & Communication | | |
| Communication interface | RS485 / WIFI (optional)/GPRS(optional) | |
| User interface | 2 LED indicators, 2 lines of LCD display , acoustic sensing switch | |