


| Beta 30K-5G | Main Features |
|---|---|
|  | <ul style="list-style-type: none"> • Over 98.8% Max. efficiency. • Wide voltage range and low startup voltage. • 3 MPPT design with precise MPPT algorithm. • THDi < 3%, low harmonic distortion against grid. • Anti-resonance, single transformer can connect 6M+ in parallel. • Perfect commercial site monitoring solution. • 130% DC overload ratio, 13A input for each PV string. • Strings intelligent monitoring, Smart I-V Curve Diagnosis supported. • Fuse free design to avoid fire hazard. • Type II surge arrester for both DC and AC. • Natural convection, Fan-less design, longer lifespan. • Leakage current repression technology. • Volt-watt work mode integrated. • DC input reverse alarm. • Intergrated Export Power Manager (EPM). |

| MODEL | Beta 30K-5G |
|--|---|
| INPUT DC | |
| Maximum Input Power (kW) | 39 |
| Maximum Input Voltage (V) | 1100 |
| Rated Voltage (V) | 600 |
| Start-Up Voltage (V) | 180 |
| MPPT Voltage Range (V) | 200 - 1000 |
| Maximum Input Current (A) | 26 + 26 + 26 |
| Maximum Short-Circuit Current (A) | 40 + 40 + 40 |
| MPPT Number / Maximum Input Strings Number | 3 / A: 2; B: 2; C: 2 |
| OUTPUT AC | |
| Rated Output Power (kW) | 30 |
| Maximum Apparent Output Power (kVA) | 33 |
| Maximum Output Power (kW) | 33 |
| Rated Grid Voltage (V) | 3 / N / PE, 220 / 380, 230 / 400 |
| Rated Grid Frequency (Hz) | 50 / 60 |
| Rated Grid Output Current (A) | 45.6 / 43.3 |
| Maximum Output Current (A) | 50.2 |
| Power Factor | > 0.99 (Adjustable from 0.8 leading to 0.8 lagging) |
| THDi | < 3% |
| EFFICIENCY | |
| Maximum Efficiency | 98.8% |
| EU Efficiency | 98.3% |



| MODEL | Beta 30K-5G |
|-------------------------------------|--|
| PROTECTION | |
| DC Reverse-Polarity Protection | Yes |
| Short Circuit Protection | Yes |
| Output Over Current Protection | Yes |
| Surge Protection | DC Type II / AC Type II |
| Grid Monitoring | Yes |
| Anti-islanding Protection | Yes |
| Temperature Protection | Yes |
| Strings Monitoring | Yes |
| I / V Curve Scanning | Yes |
| Anti-PID Function | Optional |
| Integrated DC Switch | Optional |
| GENERAL DATA | |
| Dimensions (W*H*D*) | 647*629*252* mm |
| Weight (kg) | 45 |
| Topology | Transformerless |
| Self Consumption | <1W (Night) |
| Operating Ambient Temperature Range | 25 ~ 60°C |
| Relative Humidity | 0 ~ 100% |
| Ingress Protection | IP65 |
| Cooling Concept | Natural convection |
| Maximum Operation Altitude | 4000 m |
| STANDARDS | |
| Grid Connection Standard | EN50549, G99, AS4777.2-2015, VDE0126-1-1, IEC62727, VDE4105-2018, NB/T 32004 |
| Safety / EMC Standard | IEC62109-1/-2, EN61000-6-2, EN61000-6-3 |
| FEATURES | |
| DC Connection | MC4 connector |
| AC Connection | Terminal OT |
| Display | LCD, 2x20 Z |
| Communication | RS485; WiFi / GPRS (optional) |

Product specifications are subject to change without further notice.

