

Astris 3K/1P1T1

PN: SIN110030001ATCU0B

EAN: 6422956013165

Specifications

| Efficiency | |
|------------------------------|---|
| Max. Efficiency | 97,8 % |
| Input | |
| Max. Input Voltage | 500V |
| Max. PV configuration (STC) | 150% |
| Rated Input Voltage | 360V |
| Max. Input Current | 15A |
| Max.Short Circuit Current | 20A |
| Start Input Voltage | 70V |
| MPPT Operating Voltage Range | 50V-490V |
| Max. Number of PV Strings | 1 |
| No. of MPPTS | 1 |
| Output (Grid) | |
| Rated AC Active Power | 3000W |
| Max. AC Apparent Power | 3300VA |
| Max. AC Active Power (PF=1) | 3300W |
| Max. AC Output Current | 15A |
| Rated AC Voltage | 220V/230V, L+N+PE |
| AC Voltage Range | 160V-300V (Adjustable) |
| Rated Grid Frequency | 50Hz/60Hz |
| Grid Frequency Range | 45Hz-55Hz/55Hz-65Hz (Adjustable) |
| THDI | <3% (Rated Power) |
| DC Current Injection | <0.5%In |
| Power Factor | 0.99 Rated power (Adjustable 0.8 Leading-0.8 Lagging) |
| Protection | |
| DC switch | Support |
| Anti-islanding protection | Support |
| AC overcurrent protection | Support |
| AC short circuit protection | Support |



Superior Efficiency



High Reliability



Intelligent Maintenance

- Maximum efficiency 97.8%
- String current 15A, compatible with high power modules
- 150% PV configuration, 110% output overload
- IP65 waterproof and dustproof, C5 anti-corrosion
- DC/AC SPD optional, AFCI detection optional
- Remote configuration and upgrade
- Supports export power control

| | |
|----------------------------|--------------------------------------|
| DC reverse connection | Support |
| Surge Arrester | DC Type III (Optional) / AC Type III |
| Insulation detection | Support |
| Leakage current protection | Support |

General

| | |
|-----------------------------|-----------------|
| Topology | Transformerless |
| IP Rating | IP65 |
| Night Self Consumption | <1W |
| Cooling | Natural cooling |
| Operating Temperature Range | -25°C-60°C |
| Relative Humidity Range | 0-100% |
| Max. Operating Altitude | 4000m |
| Noise (typical) | 30dB |

HMI & COM




| | |
|---------------|--|
| Display | Wireless & APP+LED, LCD (Optional) |
| Communication | WiFi (included) Optional: GPRS / RS485 /LAN |

Physical

| | |
|--------------------|--------------------|
| Product dimensions | 344 x 320 x 137 mm |
| Product weight | 6.1 Kg |



Logistics

| | | |
|---|--------------------------|--------------------|
|  | Carton Box Size (LxWxH) | 440 x 415 x 230 mm |
|  | Pieces in the Carton Box | 1 |
|  | Net & Gross weight / CTN | 6.1 kg / 8 Kg |

Certificates

RoHS
2011/65/EU **CE**

| | |
|-----------|--|
| Safety | IEC62109-1, IEC62109-2 |
| Grid Code | DE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206001/206002-1, IEC 61727/62116, ORDINANCE n° 140 2022, IEEE 1547, UL 1741, AS 4777, VDE 0126 |

