

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 Optional: GPRS / RS485 /LAN

Physical

Product dimensions	320 x 344 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 <small>2011/65/EU</small>	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