

# Astris 20K/3P2T4

PN: SIN320200004ATCU0B

EAN: 6422956013486

## Specifications

### Efficiency

Max. Efficiency 98%

### Input

Max. Input Voltage 1100V

Max. PV configuration (STC) 150%

Rated Input Voltage 620V

Max. Input Current 2 x 30A

Max.Short Circuit Current 2 x 40A

Start Input Voltage 180V

MPPT Operating Voltage Range 160-1000V

Max. Number of PV Strings 4 (2/2)

No. of MPPTS 2

### Output (Grid)

Rated AC Active Power 20000

Max. AC Apparent Power 22000

Max. AC Active Power (PF=1) 22000W

Max. AC Output Current 3 x 33.7A

Rated AC Voltage 380V / 400V / 415V, 3W+N+PE

AC Voltage Range 260V-510V (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 98.4%
- String current 40A, compatible with high power modules
- 150% PV configuration, 110% output overload
- IP66 waterproof and dustproof, C5 anti-corrosion
- Compatible with wide power grid voltage and high harmonic power grid environment
- 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	IP66
Night Self Consumption	<1W
Cooling	Fan cooling
Operating Temperature Range	-25°C-60°C
Relative Humidity Range	0-100%
Max. Operating Altitude	4000m
Noise (typical)	<45dB

#### HMI & COM




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

#### Physical

Product dimensions	398 x 460 x 190mm
Product weight	23 Kg



## Logistics

	Carton Box Size (LxWxH)	500 x 470 x 361 mm
	Pieces in the Carton Box	1
	Net & Gross weight / CTN	20.1 Kg / 23.8 Kg

## Certificates

<b>RoHS</b> <small>2011/65/EU</small>	<b>CE</b>
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