

Astris 5K/1P2T2

PN: SIN120050002ATCU0B

EAN: 6422956013172

Specifications

Efficiency	
Max. Efficiency	98,2 %
Input	
Max. Input Voltage	550V
Max. PV configuration (STC)	150%
Rated Input Voltage	360V
Max. Input Current	30A (2*15A)
Max.Short Circuit Current	40A (2*20A)
Start Input Voltage	90V
MPPT Operating Voltage Range	70V-540V
Max. Number of PV Strings	2 (1/1)
No. of MPPTS	2
Output (Grid)	
Rated AC Active Power	5,000W
Max. AC Apparent Power	5,500VA
Max. AC Active Power (PF=1)	5,500W
Max. AC Output Current	25A
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 98.2%
- String current 13A, 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	350 x 347 x 137 mm
Product weight	7.9 Kg



Logistics

	Carton Box Size (LxWxH)	445 x 428 x 240 mm
	Pieces in the Carton Box	1
	Net & Gross weight / CTN	7.9 kg / 10 Kg

Certificates

RoHS 
2011/65/EU

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 0126-1.

