

Features:

- Highest efficiency recorded in the industry (max. 98.65%)
- High power density with a small footprint
- Low failure rate and quick fix to reduce power generation loss
- Fuseless design to avoid potential fire hazard caused by DC side faults
- Fanless design to avoid frequent fan failures leading to shutdown
- LVRT function, meeting global grid access requirements
- Natural cooling; Protection rating IP 65
- Built-in AC and DC lightning protection module, all-round lightning protection
- Industrial-grade high quality components, ensuring a 25-year design life
- Inverter with Bluetooth communication connected to smart phone for an easy human-machine interaction and easy on-site installation and settings
- Remote maintenance and quick troubleshooting to ensure power generation
- Advanced industrial design concept, integrated die casting molding
- Aluminum alloy die casting enclosure, permanently anti-rust



Applications: Home and office PV solar systems

Photo:



Technical parameters:

MODEL	IPSPV33-ONGI-4k0-KTSI	IPSPV33-ONGI-5k0-KTSI	IPSPV33-ONGI-6k0-KTSI	IPSPV33-ONGI-8k0-KTSI	IPSPV33-ONGI-10k0-KTSI	IPSPV33-ONGI-13k0-KTSI	IPSPV33-ONGI-16k0-KTSI
Output power	4000W	5 000W	6000W	8 000W	10 000W	13 000W	16 000W
INPUT							
Max. input power	5500W	6500W	10 400W	10 400W	13 000W	16 900W	20 800W
Max. input voltage	1000V						
Start-up voltage	180V					250V	
MPPT voltage	120...950V				200...950V		
MPPT voltage range t full load	250...850V		280...850V	380...850V	470...850V	410...850V	500...850V
Max. input current	11A / 11A					11x 2A / 11A	
Max. short circuit current	12A / 12A					11x 2A / 12A	
Number of MPPTs	2						
OUTPUT							
Rated voltage	400Vac – three phase (3W+N+PE) – 400V/230V						
Max output power	4kW / 4kVA	5kW / 5kVA	6kW / 6kVA	8kW / 8kVA	10kW / 10kVA	13kW / 13kVA	16kW / 16kVA
Max. output current	5,8A	7,3A	8,7A	11,6A	14,5A	18,9A	23,2A
Grid-connected voltage range	304...480Vac/ 176...276Vac						
Rated grid-connected frequency	50Hz						
Grid connected frequency range	45...55Hz						
THD	<3% (rated output power)						
Power factor	>0,99 (rated power)						

3PH ON-GRID solar inverter

EFFICIENCY	
Max. conversion efficiency	98,2...98,65%
Self consumption at night	<1W
PROTECTIONS	
Protection	Anti-Islanding protection, output short-circuit protection, leakage current protection, DC reverse polarity protection, DC switch, ground insulation resistance detection, DC surge, AC surge
Certification standards	Safety: NB/T 32004, IEC62109-1, IEC62109-2, EMC: NB/T 32004, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4 Grid standard: NB/T 32004, VDE0126-1-1, VDE-AR-N4105
ENVIROMENT	
Operating temp.	-25°C ~ +60°C (>45°C derating)
Max. attitude	4000m (>2000m derating)
Humidity	0...100% (non-condensing)
IP level	IP65
Noise	<40dB
COMMUNICATION	
Standard	LED DISPLAY
Ports	2x RS485, Wi-fi/ethernet
Mobile	User and Pro application (Android , iOS)
DIMMENSIONS & WEIGHT	
Weight netto/brutto	25 / 28kg
Width / depth / height	515 / 166 / 435 mm
Package	1pcs/cattoon box 24pcs/pallet
CONNECTION	
Case	Wall-mounted
DC wiring method	MC4
AC wiring	Plug&play