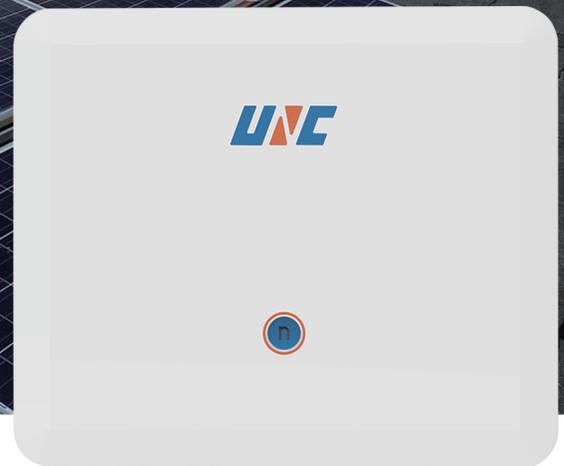


Three Phase Photovoltaic Inverter

Photovoltaic inverter is a device that converts direct current (DC) generated by photovoltaic solar panels into alternating current (AC), and is one of the core components of photovoltaic power generation systems.



Product Core Highlights



Maximum MPPT current of 40A, suitable for high-power and double-sided components



Built in PID repair function to improve component power generation performance



OTA online firmware remote upgrade, worry free system updates



IP66 high protection level



Quick plug terminal design, simple and fast wiring

PHOTOVOLTAIC SYSTEM PRODUCTS



Product Model	TSI-30K3P-03-CN	TSI-33K3P-03-CN	TSI-36K3P-03-CN	TSI-40K3P-03-CN	TSI-50K3P-03-CN	TSI-60K3P-03-CN
DC input						
Maximum allowable input power	45kW	49.5kW	54kW	60kW	70kW	80kW
Maximum input voltage	1100V					
Rated input voltage	620V					
Starting voltage	250V					
MPPT voltage range	200–1000V					
Maximum input current	32A*3			32/32/32/40A		32/32/32/40A
Maximum short circuit current	50A*3			50A*4		50A*5
Number of MPPT/maximum number of PV string	3/6			4/8		5/10
Alternating current output						
Rated output power	30kW	33kW	36kW	40kW	50kW	60kW
Maximum apparent power	33kVA	36.3kVA	39.6kVA	44kVA	55kVA	66kVA
Maximum active power	33kW	36.3kW	39.6kW	44kW	55kW	66kW
Rated output current	45.6A	50.1A	54.7A	60.8A	72.5A	85.9A
Maximum output current	50.2A	55.1A	60.2A	66.9A	79.7A	95.6A
Rated grid voltage	3L/N/PE, 400V (voltage range 320V–480V)					
Rated grid frequency	50Hz (allowable frequency range 45–55Hz)					
power factor	> 0.99 (0.8 lead~0.8 lag)					
Total voltage harmonic distortion	<3% rated power					
Efficiency						
Maximum efficiency	98.60%		98.40%		98.50%	
Efficiency in China	98.00%		97.70%		97.90%	
Protect						
Leakage current protection	have					
Anti-island protection	have					
DC reverse connection protection	have					
AC short circuit protection	have					
DC switch	have					
Lightning protection	Class II AC/Class II DC					
Insulation impedance detection	have					
Overvoltage level	Class II AC/Class II DC					
Basic parameters						
Dimensions (W * H * T)	585mmx490mmx260mm				675mmx590mmx275mm	
Weight	32kg				50kg	
Protection class	IP66					
Mode of isolation	Without transformer					
Self-consumption at night	< 1W					
Cooling mode	Intelligent air cooling					
Operating temperature /humidity	-25~+60℃/0~100% (non-condensing)					
Safety Regulations/EMC Standards	4000m					
Grid connection standard	NB/T 32004					
Safety Regulations/EMC Standards	IEC 62109-1/-2, IEC 61000-6-1/-2/-3/-4, NB/T 32004					
Display&Communication						
Display	LED+APP					
Mode of communication	RS485/4G					