

tPower-NM5-(3~10)K-S PV Inverter



Enjoy Green Power

Higher conversion efficiency, higher returns
Adapt to grid actively, uninterrupted power generation under harsh conditions
Dual MPPTs, increasing power generation efficiently



Safeguarding

Equipped with the protection of overcurrent, overvoltage and others
Build-in Type II DC & AC SPD
Excellent EMC performance, fearless of device radiation
Intelligent arc detection, multiple security protections



Smart Energy

Support I-V scanning, intelligent diagnosis
CRRC FORESEE Cloud , monitoring the data at anytime & anywhere
Intelligent O&M, remote one-click upgrade

Product Model	tPower-NM5-3K-S	tPower-NM5-4K-S	tPower-NM5-5K-S	tPower-NM5-6K-S	tPower-NM5-8K-S	tPower-NM5-10K-S
DC						
Max. DC input power	3900W	5200W	6500W	7200W	9200W	11500W
Max. DC input voltage	550V					
Max. DC input current	5A	15/15A	15/15A	15/15A	20/26A	20/30A
MPPT voltage range	80~550V					
Rated operation voltage	360V					
Number of MPPT	1	2				
PV strings per MPPT	1	1/1			1/2	
AC						
Rated output power	3000W	4000W	5000W	6000W	8000W	10000W
Max. Output power	3.3kVA	4.4kVA	5.5kVA	6kVA	8kVA	10kVA
Max. Output current	15A	20A	25A	27A	34.8A	45A
Rated grid voltage	230Vac					
Grid voltage range	160~270Vac					
Rated grid frequency	50Hz/60Hz					
Grid frequency range	45~55Hz/55~65Hz					
Harmonic (THD)	<2% (Rated power)					
Power factor	>0.99 (Rated power) / (0.8leading~0.8lagging adjustable)					
DC component	<0.5% (Rated power)					
Protection						
Grid monitoring	Yes					
DC reverse connection protection	Yes					
AC short-circuit protection	Yes					
Leakage current protection	Yes					
Surge Protection	DC Type II / AC Type II					
Ground fault monitoring	Yes					
DC switch	Yes					
PV String current monitoring	Yes					
AFCI protection	Optional					
PID recovery function	Optional					
System parameters						
Max. efficiency	98%	98.10%	98.10%	98.10%	98.10%	98.10%
European efficiency	97.50%	97.50%	97.50%	97.50%	97.50%	97.60%
Humidity range	0~100%, No condensation					
Cooling method	Natural cooling				Intelligent air cooling	
Operating ambient temperature range	-25~+60°C					
Power consumption at night	<1W					
Max. operating altitude	4000m					
Display	LED/LCD (optional)					
Communication	RS485/GPRS/WiFi (optional)					
Dimensions(W*H*D)	347*368*167mm				347*368*190mm	
Weight	7kg	12kg			11kg	
Protection Degree	IP66					
Standard compliance	NB/T 32004-2018; IEC 61727; IEC 62109-1/2 ;IEC 61000-6-2/4					