

tPower-NM5-(6~12)K-T 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 and cascaded intelligent diagnosis
CRRC FORESEE Cloud Service, monitoring the data at anytime & anywhere
Intelligent O&M, remote one-click upgrade

Product Model	tPower-NM5-6K-T	tPower-NM5-8K-T	tPower-NM5-10K-T	tPower-NM5-12K-T
DC				
Max. DC input power	7800W	10400W	13000W	15600W
Max. DC input voltage	1100V			
Max. DC input current	18/18A			
MPPT voltage range	180~1000V			
Rated operation voltage	650V			
Number of MPPT	2			
PV strings per MPPT	1/1			
AC				
Rated output power	6000W	6000W	10000W	12000W
Max. Output power	6.6kVA	6.6kVA	11kVA	13.2kVA
Max. Output current	10A	10A	16.7A	20A
Rated grid voltage	400Vac			
Grid voltage range	310~480Vac			
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(%)	98.50%	98.50%	98.60%	98.70%
European efficiency (%)	97.90%	98%	98.20%	98.10%
Humidity range	Intelligent air cooling			
Cooling method	-25~+60°C			
Operating ambient temperature range	<1W			
Power consumption at night	4000m			
Max. operating altitude	LED/LCD (optional)			
Display	RS485/GPRS/WiFi (optional)			
Communication	427*510*190mm			
Dimensions(W*H*D)	15kg			
Weight	IP66			
Protection Degree	NB/T 32004-2018; IEC 61727; IEC 62109-1/2;IEC 61000-6-2/4			
Standard compliance				