

tPower-NM5-(50~75)K-T PV Inverter



High Yield

Compatible with industrial and commercial applications and distributed power stations
High conversion efficiency, wide voltage range, long-lasting power generation,
and higher returns
Multiple MPPTs,proactively adapting to grids to ensure power generation



Safeguarding

IP66 protection degree, High anti-corrosion design, adapt to various hash environments
PID recovery,extend module’ s lifespan, and increase power generation
Intelligent arc detection, multiple security protections



Smart Energy

Smart I-V scanning and locate faults quickly
CRRC FORESEE Cloud Service, monitoring the data at anytime & anywhere
Multiple communication methods, adapt to various scenarios

Product Model	tPower-NM5-50K-T	tPower-NM5-60K-T	tPower-NM5-70K-THV	tPower-NM5-75K-THV
DC				
Max. DC input power	65000W	78000W	91000W	97500W
Max. DC input voltage	1100V			
Max. DC input current	45A/45A/45A			
MPPT voltage range	250~1000V			
Rated operation voltage	650V		740V	
Number of MPPT	2			
PV strings per MPPT	3	4		
AC				
Rated output power	50000W	60000W	70000W	75000W
Max. Output power	55kVA	66kVA	77kVA	82.5kVA
Max. Output current	80A	96A	89A	95A
Rated grid voltage	400Vac		500Vac	
Grid voltage range	310~480Vac		422~550Vac	
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(%)	98.70%	98.90%	99%	
European efficiency (%)	98.30%	98.50%	98.50%	
Humidity range	0~100%, No condensation			
Cooling method	Intelligent air cooling			
Operating ambient temperature range	-25~+60℃			
Power consumption at night	<1W			
Max. operating altitude	4000m			
Display	LED/LCD (optional)			
Communication	RS485/GPRS/WiFi (optional)			
Dimensions(W*H*D)	681*660*282mm			
Weight	47kg			
Protection Degree	IP66			
Standard compliance	NB/T 32004-2018; IEC 61727; IEC 62109-1/2;IEC 61000-6-2/4			