

tPower-NM5-(36~50)K-T PV Inverter



Enjoy Green Power

Compatible with household and small-scale industrial and commercial applications
High conversion efficiency, wide voltage range, long-lasting power generation, and higher returns
Multiple communication methods, adapt to various scenarios
Proactively adapting to grids to ensure power generation



Safeguarding

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-NM5-36K-T	tPower-NM5-40K-T	tPower-NM5-50K-T
DC			
Max. DC input power	43200W	48000W	60000W
Max. DC input voltage	1100V		
Max. DC input current	30A*3	30A*4	40A/40A/20A/20A
MPPT voltage range	250~1000V		
Rated operation voltage	650V		
Number of MPPT	3	4	
PV strings per MPPT	2/2/2	2/2/2/2	
AC			
Rated output power	36000W	40000W	50000W
Max. Output power	39.6kVA	44kVA	55kVA
Max. Output current	56A	65A	80A
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(%)	98.70%		
European efficiency (%)	98.20%		
Humidity range	0~100%, No condensation		
Cooling method	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)	610*564*218mm		
Weight	37kg		
Protection Degree	IP66		
Standard compliance	NB/T 32004-2018; IEC 61727; IEC 62109-1/2; IEC 61000-6-2/4		