

tPower-NM5-(80~125)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
SVG at night function improves power factor and reduces wire loss
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-NM5-80K-T	tPower-NM5-90K-T	tPower-NM5-100K-T	tPower-NM5-110K-T	tPower-NM5-125K-T
DC					
Max. DC input power	120kW	135kW	150kW	165kW	187.5kW
Max. DC input voltage	1100V				
Max. DC input current	30A*8	30A*9	30A*10	30A*10	30A*10
MPPT voltage range	200~1000V				
Rated operation voltage	600V				
Number of MPPT	8	9	10	10	10
PV strings per MPPT	2				
AC					
Rated output power	80kW	90kW	100kW	110kW	125kW
Max. Output power	88kW	99kW	110kW	121kW	137.5kW
Max. Output current	127A	142.9A	158.8A	174.6A	199.3A
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(%)	98.60%	98.60%	98.70%	98.70%	98.90%
European efficiency (%)	98.10%	98.10%	98.10%	98.10%	98.20%
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)	1050*620*333mm				
Weight	89kg				
Protection Degree	IP66				
Standard compliance	NB/T 32004-2018; IEC 61727; IEC 62109-1/2;IEC 61000-6-2/4				