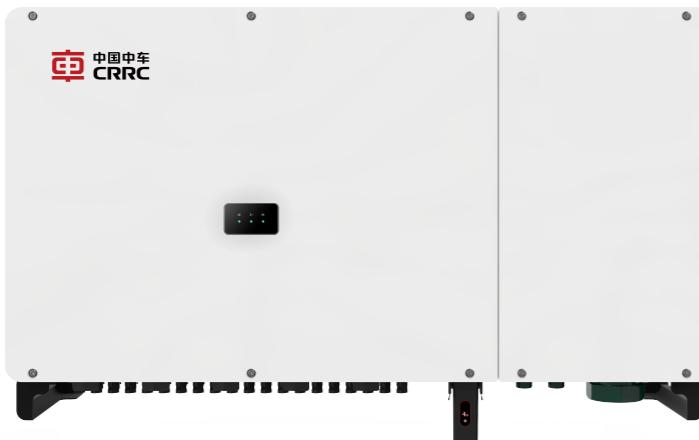


# tPower-NM5-(80~125)K-T PV Inverter



## 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 harsh 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
<b>DC</b>					
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		
<b>AC</b>					
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)		
<b>Protection</b>					
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		
<b>System parameters</b>					
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°C		
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		