

tPower-NL8.(100~125)KT 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-NL8.100KT	tPower-NL8.110KT	tPower-NL8.120KT	tPower-NL8.125KT
DC				
Startup Voltage	200V			
Max. DC input voltage	1100V			
Max. DC input current	45A			
MPPT voltage range	180~1000V			
Rated operation voltage	600V			
Number of MPPT	10			
PV strings per MPPT	2			
AC				
Rated output power	100kW	110kW	120kW	125kW
Max. Output power	110kVA	121VA	132kVA	137.5kVA
Max. Output current	167.1A	183.8A	200.5A	208.9A
Rated grid voltage	380Vac, 3L/N/PE			
Grid voltage range	310~480Vac			
Rated grid frequency	50Hz/60Hz			
Grid frequency range	45~55Hz/55~65Hz			
Harmonic (THD)	<1% (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 (%)	98.50%			
Humidity range	0~100%, No condensation			
Cooling method	Intelligent air cooling			
Operating ambient temperature range	-30~+60℃			
Power consumption at night	<7W			
Max. operating altitude	4000m			
Display	LED/APP/Web			
Communication	RS485/Bluetooth/4G (optional) /WiFi (optional)			
Dimensions(W*H*D)	980*685*382mm			
Weight	85kg			
Protection Degree	IP66			
Standard compliance	NB/T 32004-2018; IEC 61727; IEC 62109-1/2;IEC 61000-6-2/4			