

tPower-NL8.150KT PV Inverter



High Yield

Adapt to various PV modules, allow high current access
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-NL8.150KT
DC	
Startup Voltage	200V
Max. DC input voltage	1100V
Max. DC input current	48A
MPPT voltage range	180~1000V
Rated operation voltage	600V
Number of MPPT	7
PV strings per MPPT	3
AC	
Rated output power	150kW
Max. Output power	165kVA
Max. Output current	250.7A
Rated grid voltage	380Vac, 3L/N/PE
Grid voltage range	320~480Vac
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(%)	98.80%
European efficiency (%)	98.20%
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)	1000*700*382mm
Weight	97kg
Protection Degree	IP66
Standard compliance	NB/T 32004-2018; IEC 61727; IEC 62109-1/2;IEC 61000-6-2/4