

tPower-NL9.(5-10)KTH

Three-phase Hybrid Inverter



Enjoy Green Power

Multiple power supply options, enjoy green power
High conversion efficiency, wide voltage range, long-lasting power generation, and higher returns
Seamless switching of backup power supply within 10ms, fearless of power outages



Safeguarding

High protection degree, installation indoors and outdoors
Multiple protection modes, including the protection of overcurrent/overvoltage
Intelligent arc detection, multiple security protections



Smart Energy

Multiple woking modes, adapt to various scenarios
Support cascaded I-V scanning, intelligent diagnosis, faults locating
CRRC FORESEE Cloud Service, monitoring the data at anytime & anywhere
Intelligent O&M, remote one-click upgrade



Product Model	tPower-NL9.5KTH	tPower-NL9.6KTH	tPower-NL9.8KTH	tPower-NL9.10KTH
Battery				
Battery	Lithium battery			
Rated battery voltage	160-800V			
Max. charging current	50A			
Max. discharging current	50A			
Max. charging power	5000W	6000W	8000W	10000W
Max. discharging power	5000W	6000W	8000W	10000W
PV				
Max. input power	10000W	12000W	16000W	20000W
Max. input voltage	1000V			
MPPT voltage range	160~1000V			
Startup voltage	180V			
Rated input voltage	600V			
Max. input current per MPPT	18A			
Max. Short-circuit current per MPPT	23.5A			
Number of MPPT	2			
PV strings per MPPT	1			

Product Model	tPower-NL9.5KTH	tPower-NL9.6KTH	tPower-NL9.8KTH	tPower-NL9.10KTH
AC(On-grid)				
Rated output apparent power	5000VA	6000VA	8000VA	10000VA
Max.input apparent power	10000VA	12000VA	16000VA	16000VA
Rated output voltage	400/380V,3L/N/PE			
Frequency of output voltage	50Hz/60Hz			
Max. output current	7.6A	9.1A	12.2A	15.2A
Power factor	>0.99 (Rated power)/(0.8leading~0.8lagging adjustable)			
Harmonic (THD)	<3%			
AC(Off-grid)				
Rated apparent power	5000VA	6000VA	8000VA	10000VA
Max.output apparent power	10000VA	12000VA	16000VA	16000VA
Max.output current	7.6A	9.1A	12.2A	15.2A
Rated output voltage	400/380V			
Frequency	50Hz/60Hz			
THDu(@Linear Load)	<3%			
Efficiency				
Max. efficiency(%)	98.00%	98.00%	98.00%	98.00%
Max. Efficiency of Battery-AC	97.50%	97.50%	97.50%	97.50%
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				
Operating ambient temperature range	-30~+60℃			
Humidity	0~95%			
Max. operating altitude	4000m			
Cooling method	Natural cooling			
Display	LED/APP			
BMS communication	CAN/RS485			
Meter communication	RS485			
Communication	RS485/Bluetooth/4G(optional)/WiFi(optional)			
Weight	26.6kg			
Dimensions(W*H*D)	485*596*200mm			
Topology	Non-isolated			
Protection degree	IP66			
Installation	Wall-mounted			