

tPower-NM5-(3~6)K- (5-15)kWh

ALL IN ONE Hybrid Inverter



Enjoy Green Power

Multiple power supply options, enjoy green power
Compatible with mainstream household module perfectly
High conversion efficiency, wide voltage range, long-lasting power generation, and higher returns



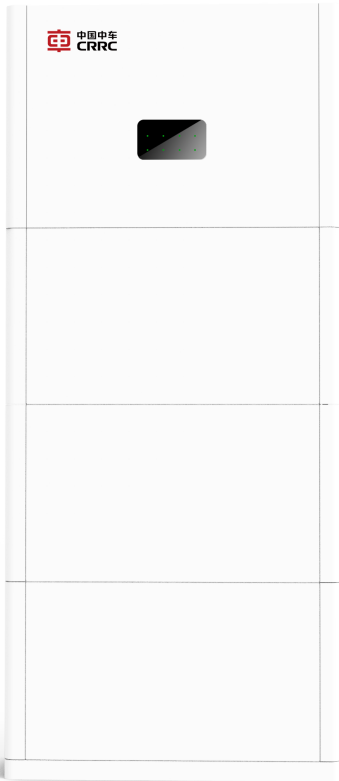
Safeguarding

Intelligent arc detection, multiple security protections
Switching rapidly under the power failure and ensuring household power supply



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



Battery module	tPower-NM5-5kWh-LA	tPower-NM5-10kWh-LA	tPower-NM5-15kWh-LA
Battery cell	100Ah, LFP		
Number of module	1	2	3
Max.active power	2.5kW	5kW	5kW
Rated capacity	5.12kWh	10.24kWh	15.36kWh
Rated voltage	51.2V		
Max. current	50A	100A	100A
Rated ambient temperature	-20~+50°C		
Protection degree	IP66		
Cooling method	Natural cooling		
Dimensions (H*W*D)	861*690*205mm	1223*690*205mm	1585*690*205mm
Weight	80kg	140kg	200kg
Installation	Floor-mounted		
Installation ambient	Outdoors		

Inverter	tPower-NM5-3K-SA	tPower-NM5-3.6K-SA	tPower-NM5-4K-SA	tPower-NM5-4.6K-SA	tPower-NM5-5K-SA	tPower-NM5-6K-SA
PV						
Max. DC input voltage	500V					
MPPT voltage range	100V~500V					
Startup voltage	125V					
Max. input current	18A	18A/18A				
MPPT	1	2				
AC (On-grid)						
Max.output apparent power	3300VA	3960VA	4400VA	5060VA	5500VA	6000VA
Rated voltage	230Vac					
Rated frequency	50Hz/60Hz					
Max. AC current	15A	18A	19A	22A	25A	27A
Power factors	>0.99 (Rated power)/(0.8leading~0.8lagging adjustable)					
AC (Off-grid)						
Rated apparent power	3000VA	3600VA	4000VA	4600VA	5000VA	6000VA
Max.AC apparent power	6000VA,15sec	7200VA,15sec	8000VA,15sec	9200VA,15sec	10000VA,15sec	10000VA,15sec
Rated voltage	230Vac					
Rated frequency	50Hz/60Hz					
Max. AC current	15A	18A	19A	22A	25A	27A
Efficiency						
Max. efficiency (PV)	97.60%					
Max. efficiency (cell)	94.50%					
European efficiency (%)	97%					
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 Parametrers						
Operating ambient temperature range	-25~+60°C					
Storage temperature	-30~+65°C					
Humidity	0~95%					
Max. operating altitude	≤4000m					
Noise	<25dB					
Topology	High-frequency isolation (battery)					