

# NKT Low Frequency Hybrid Solar Inverter

8KW/10KW



## MAIN FEATURES

- Pure sine wave 220VAC/230VAC
- Built-in MPPT 60A 100A PV Input 150VDC
- Compatible work with LiFePO4 battery via RS485
- Low frequency(Built in strip transformer)
- Communication interface:RS232/RS485/Dry contact
- EQ function to optimize battery performance and extend lifecycle

## Product Specifications

Model		NKT-10KVA	NKT-12.5KVA
Power Rating		8000W	10000W
Battery	Rated Voltage	48VDC	
	AC Charge Current	0~30A MAX	
	Battery Type	Can be set	
Input	Voltage Range	170~275VAC	
	Frequency	45~65Hz	
Output	Voltage Range	220VAC±5%(Inverter mode)	
	Frequency	50/60Hz±1% (Inverter mode)	
	Output Wave	Pure Sine Wave	
	Conversion Time	<10ms(Typical load)	
	Efficiency	>85% (80% Resistive load)	
	Overcharge	110~120%/60s;120~130%/10s;130~150%/2s;>150%/500ms	
	Protection Function	Battery over-voltage and low-voltage protection, overload protection, short circuit protection, over-temperature protection	
Solar Controller	MPPT Voltage Range	65~150VDC	
	PV Power	4000W	5000W
	Rated Charge Current	80A(Max)	100A(Max)
	MPPT Efficiency	≥99%	
	Average Charging Voltage(lead acid battery)	56.8VDC	
	Floating Charge Voltage	55.2VDC	
	Operating Ambient Temperature	-15~50°C	
	Storage Ambient Temperature	-20~50°C	
	Operating/Storage Environment	0~90% No Condensation	
	Dimensions:W*D*H(mm)	476*319*877	
	Packing Size: W*D*H(mm)	575*420*950	
	Net Weight (KG)	58.5	78
	Gross Weight (KG)	76	96.5

Note: Our company has the right of changing this user manual without any information