NKM Low Frequency Solar Inverter

1KW/2KW/3KW/4KW/5KW/6KW

MAIN FEATURES

- Pure sine wave both 110V~240V
- Built-in MPPT 40A/60A/100A PV Input 150VDC
- Compatible work with LiFePO4 battery via RS485
- Low frequency(Built in ring transformer)
- Communication interface:RS232/RS485/Dry contact
- EQ function to optimize battery performance and extend lifecycle

Product Specifications

Model		NKM-1000	NKM-2000	NKM-3000	NKM-4000	NKM-5000	NKM-6000
Power Rating		1000W	2000W	3000W	4000W	5000W	6000W
Battery	Rated Voltage	12/24VDC	24VDC	24/48VDC	48VDC		
	AC Charge Current	12V:0~25A 24V:0~15A	0~30A	24V:0~35A 48V:0~25A	0~20A	0~30A	0~35A
	Battery Type	Can be set					
Input	Voltage Range	73~138/145~275VAC	85~138/170~275VAC				
	Frequency	45~65Hz					
Output	Voltage Range	110V(can be set):100/110/120VAC 220V(can be set):200/210/220/230/240VAC					
	Frequency	50/60Hz±1%(Inverter mode)					
	Output Wave	Pure Sine Wave					
	Conversion Time	<10ms(Typical load)					
	Efficiency	>85%(80% Resistive load)					
	Overload	110~120%/60s;120~130%/10s 130~150%/2s;>150%/500ms					
	Protection	Battery overvoltage/low voltage,overload,short circuit protection,overtemperature protection,etc.					
Solar Controller	MPPT Voltage Range	12VDC:18~150VDC;24VDC:34~150VDC;48VDC:65~150VDC					
	Max.PV Input Power	12VDC/40A:570W 24VDC/40A:1130W	12VDC/60A:900W;24VDC/60A:1700W 48VDC/60A:3400W;48VDC/100A:5400W				
	Rated Charge Current	40A(Max)	60A(Max)			100A(Max)	
	MPPT Efficiency	≥99%					
	Average Charging Voltage(lead acid battery)	12V：14.2VDC;24V:28.4VDC;48V:56.8VDC					
	Floating Charge Voltage	12V:13.75VDC;24V:27.5VDC;48V:55VDC					
Operating Ambient Temperature		0~40°C					
Storage Ambient Temperature		-15~50°C					
Operating/Storage Environment		0~90°C No Condensation					
Dimensions:L*W*H(mm)		321*125*420	461*170*545				
Packing Size: L*W*H(mm)		380*205*515	555*260*645				
Note: Our company has the right of changing this user manual without any information							