

NKD Low Frequency Photovoltaic Inverter (IGBT)

10KW/15KW/20KW30KW



MAIN FEATURES

-  Pure sine wave 220VAC/230VAC
-  Compatible work with LiFePO4 battery via RS485
-  Low frequency(Built in ring transformer)
-  Support multiple output priority: SBU,SUB
-  Communication interface:RS232/RS485/Dry contact
-  EQ function to optimize battery performance and extend lifecycle

Product Specifications

Model		NKD-10K	NKD-15K	NKD-20K	NKD-30K
Rated Power		10000W	15000W	20000W	30000W
Battery	Battery Voltage	192/220/240VDC			
	Voltage Of Over Discharge Protection	168/189/210VDC			
	Restart Voltage After Low Battery	216/243/270VDC			
MPPT Controller	Controller Types	With maximum power point tracking (MPPT) function controller			
	Rated Current	Solar1:50A Solar2:50A			
	Current Limiting Protection	Solar1:52A Solar2:52A			
	Rate Voltage	192/220/240VDC			
	Operating Voltage Range	260~420VDC			
	Charge Mode	Three stages:constant current(quick charge),constant pressure,floating charge			
	Battery Type	Sealed lead-acid battery, colloidal lead-acid battery, open lead-acid battery (you can customize parameters to charge other types of batteries)			
	PV Module Input Power	192VDC:Solar1,10KW;Solar2,10KW 220VDC:Solar1,11.5KW;Solar2,11.5KW 240VDC:Solar1,12.5KW;Solar2,12.5KW			
	Vmax-pv	<420VDC			
	Vlow-pv	240/250/270VDC			
	Vstar-pv	260/270/290VDC			
	Vovet-pv	425VDC			
	Floating Charge Voltage (Lead Acid Battery)	220.8/248.4/276VDC(Can be customized)			
	Average Charge Voltage (Lead Acid Battery)	232/261/290VDC(Can be customized)			
	PV Module Utilization	≤99.97%			
	Machine Efficiency	≥96.5%			
	Output Regulation Accuracy	±1.5%			
Temperature Accuracy	±0.02%/°C				
Protective Function	Input/output overvoltage protection,anti reverse protection,short circuit protection,over temperature protection,etc				
Inverter	Input Voltage	380VAC±15%			
	Input Frequency	50/60Hz±5%			
	Output Voltage	220VAC±5%			
	Output Frequency	50/60Hz±1%			
	Output Wave	Pure Sine Wave THD<4%(full load)			
	Conversion Time	1~3s			
	Overload	120%/20s;>150%/100ms			
	Efficiency	≥90%(100% resistive load)			
	Accuracy Of Load Transient Voltage	<±5%(0~100%)			
	Defensive Function	Output short circuit, overvoltage, low voltage, low battery power protection			
Operating Ambient Temperature		-10~40°C			
Environment Relative Humidity		20~90%(No Condensation)			
Product Size:L*W*H(mm)		536*560*1015			635*566*1295
Weight(KG)		148	165	182	252