

NKG Low Frequency Three-phase Solar Inverter(IGBT)

10KW/15KW/20KW/30KW



MAIN FEATURES

-  Pure sine wave 220VAC/380VAC
-  Compatible work with gel battery
-  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		NKG-10K	NKG-15K	NKG-20K	NKG-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:Solar 1,10KW;Solar 2,10KW / 220VDC:Solar 1,11.5KW;Solar 2,11.5KW / 240VDC:Solar 1,12.5KW;Solar 2,12.5KW			
	Vmax-pv	<420VDC			
	Vlow-pv	240/250/270VDC			
	Vstar-pv	260/270/290VDC			
	Vovet-pv	425VDC			
	Floating Charge Votage (Lead Acid Battery)	220.8/248.4/276VDC(Can be customized)			
	Average Charging 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 Coefficient	±0.02%/°C				
Protective Function	Input and output over-voltage protection,anti-reverse protection,short circuit protection,etc.				
Inverter	Input Voltage	380VAC±15%			
	Input Frequency	50/60Hz±5%			
	Output Voltage	220/380VAC±2%			
	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)			
	Dynamic Load Voltage Transient	<±5%(0~100%)			
	Defensive Function	Output short circuit, overvoltage,low voltage,low battery power protection			
Other	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