

NKG Three-phase Inverter With Built-in Charge Controller

(NKG-10KW, NKG-15KW, NKG-20KW, NKG-30KW)

MAIN FEATURES

- Visualization of operation status of the equipment through simple LEDs and a LCD
- Settable battery protection parameters, and a function of password protection;
- Excellent performance because of the DSP intelligent control inversion technology



Product Specifications

Model:NKG-		NKG-10KW	NKG-15KW	NKG-20KW	NKG-30KW
Rated Power		10KW	15KW	20KW	30KW
Battery	Battery Voltage	192VDC/216VDC/240VDC			
	Low power shutdown voltage	172VDC/194VDC/216VDC			
	Restart voltage after low battery	216VDC/243VDC/270VDC			
	Controller Types	With maximum power point tracking (MPPT) function controller			
	Rate Current	Solar1: 50A;Solar 2: 50A			
	Current Limiting Protection	Solar1: 52A;Solar 2: 52A			
	Rate Voltage	192VDC/216VDC/240VDC			
	System Identification Voltage Range	/			
	Operating Voltage Range	DC260V-DC420V			
	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)				
MPPT Controller	PV module input power	192VDC:Solar 1: 10KW,Solar 2: 10KW, / 216VDC:Solar 1: 11.5KW,Solar 2: 11.5KW, / 240VDC:Solar 1: 12.5KW, Solar 2: 12.5KW			
	Vmax-pv	<420VDC			
	Vlow-py	240VDC/250VDC/270VDC			
	Vstar-pv	260VDC/270VDC/290VDC			
	Vovet-pv	425VDC			
	Floating Charge Votage (Lead Acid Battery)	220.8VDC/248.4VDC/276VDC (Can be customized)			
	Average charging Voltage (Lead Acid Battery)	232VDC/261VDC/290VDC(Can be customized)			
	PV module utilization	≤99.97%			
	Machine Efficiency	≥96.5%			
	Output Regulation Accuracy	±1.5%			
Temperature Coefficient	±0.02%/°C				
Temperatue Compensation	14.2V-(Maximum Temperature-25C) *0.3				
Protective function	Input and output over-voltage protection, anti-reverse protection, short circuit protection, etc.				
Inverter	Input phase number	Three-phase+N+G			
	Input voltage	AC380VAC±15%			
	Input frequency	50Hz/60Hz±5%			
	Output voltage	AC220V/AC380V±2% (Steady state load)			
	Output frequency	50Hz/60Hz±5%(main supply) 50Hz±0.1% (Battery powered)			
	Efficiency	≥90% (100% resistive load)			
	Output waveform	Pure sine wave			
	Total harmonic distortion	Linear load<3% Nonlinear load<5%			
	Dynamic load voltage transient	<±5% (0-100%)			
	Instantaneous recovery time	<10ms			
Battery and mains switching time	1S-3S				
Other	Unbalanced voltage	<±3% (Balancing load voltage)			
	Overload capacity	120% 20s; > 150%, 100ms			
	Operating ambient temperature	-10-40°C			
	Relative humidity	0~90% (No Condensation)			
Struture	Noise	40-50dB			
	Product Size : DxWxH(mm)	635*566*1295			
	Package size: DxWxH(mm)	760*690*1540			
	Weight(Kg)	180	220	263	320