

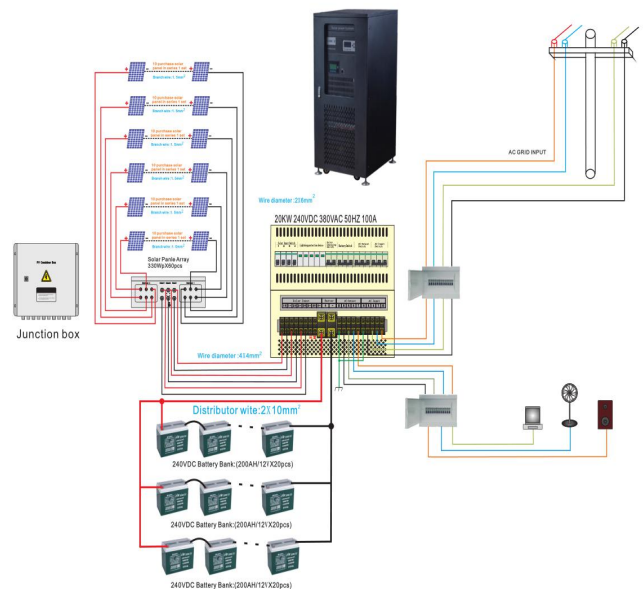
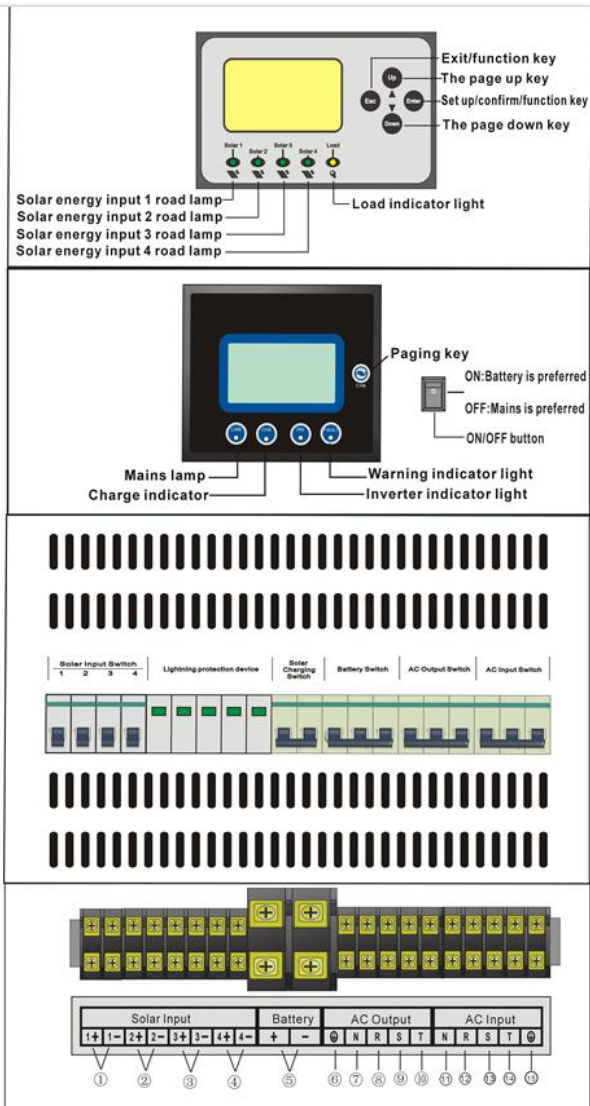


# (IGBT) HYBRID SOLAR INVERTER

## NKG-10KW/15KW/20KW/30KW

### Product Features

- DSP intelligent control technology high performance;
- Pure sine wave AC output strong ability to take the load;
- LCD+LED display mode, clearly to know the operation status;
- Output over-load protection kinds of automatically protection and warning;
- Solar array and battery use the same positive system;
- Intelligent charge control programmable charger data setting can use in difference operate occasion;
- Battery protect data setting have password protect function;
- Calculate photovoltaic power generation function calculate battery power function;
- Complete protect: recovers battery protection, battery overcharge protection, internal chassis cooling control(more than 45°C the fan will turn on),battery anti-reverse charge at night time function and alarm function;
- Display: current battery voltage, battery charge current, internal chassis temperature, calculate photovoltaic power generation function, battery power function, calculate power consumption function, solar panel current for each strings etc.



# TECHNICAL DATA

Model		NKG10KW	NKG15KW	NKG20KW	NKG30KW	
Solar panels input	Maximum photovoltaic	96VDC(230V)192VDC(400V);240VDC(430V);384VDC(820V)				
	Charge voltage (VDC)	96VDC(110V)192VDC(220V);240VDC(276V);384VDC(440V)				
	Number of charge access	1/2				
	Maximum current of each access	96V100A/192v/240v 100A				
controller	Control mode	Mppt				
	Voltage of overcharge	96V(112V)192VDC(222V);240VDC(278V);384VDC(442V)				
	the overcharge recovery voltage	96V(108V)192VDC(215V);240VDC(270V);384VDC(435V)				
Mains supply	Phase	Three phase+N+G				
	Voltage	AC380VAC±20%				
	Frequency	50Hz/60Hz±1%				
Battery	Rated voltage	96V;192VDC;240VDC;384VDC				
	Fill up threshold	96VDC(108V);192VDC(215V);240VDC(270V);384VDC(435V)				
	low voltage alarm	96VDC(87V);192VDC(173V);240VDC(216V);384VDC(350V)				
AC output	Phase	R+S+T+N+G				
	Voltage	AC380V±1% (steady load)				
	Frequency	50Hz/60Hz±1%(mains) 50Hz±0.01% (battery)				
	Efficiency	≥90% (load100%)				
	Output waveform	Pure sine wave				
	Total harmonic distortion	linear load <3% Nonlinear load <5%				
	Dynamic load voltage	<±5% (Jump from0-100%)				
	Instant recovery time	<10ms				
	Switching time	1S-3S				
	Unbalance voltage	<±3% <±1% (balance the load voltage)				
	Overload capacity	120% 20s; >150%, 100ms				
Other	Efficiency	100% load≥95%				
	Ambient temperature for operation	-10~40℃				
	Relative humidity	0~90%(no condensation)				
	Noise	40-50dB				
Structure	External D×W×H(mm)	760*690*1540				
	Weight (Kg)	220	240	262	319	365