

# NK Series

## (Hybrid Solar Inverter)

### Main Features

- Pure Sine-Wave 220V Output
- Peak-Load Handling Up To 150%
- Built-In MPPT 60A & 100A Solar Charger
- Surge, Over-Load, Short-Circuit Protections
- Hybrid, Off-Grid & Real-Time Input Sharing
- Transformer-based Design for Inductive Load



RATED POWER	3000W	5000W
<b>INPUT</b>		
Voltage	220 VAC	
Working Voltage Range	165-265 VAC	
Frequency Range	50 Hz/60 Hz (Auto-Sensing)	
<b>OUTPUT</b>		
AC Regulated Voltage	220 VAC	
Surge Power	3750W	7500W
Over Load Protection	125% Load for 2 Mins; 120% Load for 10 Sec	
Transfer Time	5ms	
Power Efficiency	>85%	
Waveform	Pure Sine-Wave	
Over Load and Short Circuit	Circuit Breaker Protection	
<b>BATTERY</b>		
Battery Voltage	48.0 VDC	48.0 VDC
Low-Voltage Alarm	44.0 VDC	44.0 VDC
DC Input Low-Voltage Cut-Off	42.0 VDC	42.0 VDC
DC Input Over-Voltage Cut-Off	56.2 VDC	56.2 VDC
Input Over-Voltage Recovery	58.0 VDC	58.0 VDC
Cut-Off Voltage	Adjustable	
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
PV Input Working Voltage Range	75~120 VDC	75~120 VDC
MPPT Start Charging Voltage	80 VDC	80 VDC
Input Over-Voltage Protection	120 VDC	120 VDC
Input Over-Voltage Recovery	115 VDC	115 VDC
Charge Controller Capacity	60 A	100 A
Maximum AC Charge Current	24 A (Adjustable)	44 A (Adjustable)
<b>PHYSICAL PARAMETERS</b>		
Type	Wall Mount	Wall Mount
Net Weight	32 Kg	45 Kg
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity	
Operating Temperature	-15°C ~+55°C	
Storage Temperature	-25°C ~+60°C	