

# WSP-KNP

## SINGLE-PHASE LOW FREQUENCY ON/OFF HYBRID INVERTER

### 3.6/6kW



## FEATURES

### Flexible Design

- Support home appliances/office equipment/lighting equipment etc.
- Support lead-acid and lithium-ion battery
- Max. 6 units in parallel
- RS232/USB/Dry Contact

### Efficient Conversion

- Up to 93.5% efficiency
- Output power factor is 1.0
- Intelligent cooling fan control
- PV and AC charging current is up to 120A

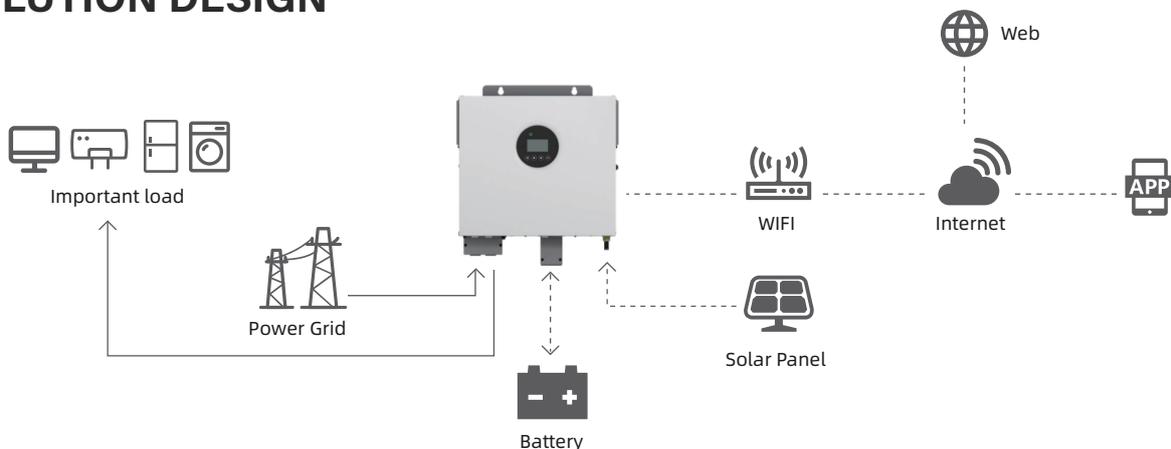
### Grid Friendly

- Low THDv
- Dust cleaning alarms and dust-proof components
- Built-in WiFi module (Optional)
- Widely input voltage of AC and PV
- Built-in Intelligent temperature sensors

### Excellent Qualities

- CQC Gold Sun Certification
- TUV Certification, SAA
- Certification.CE Certification

## SOLUTION DESIGN



# TECHNICAL DATA

Model	KNP3600-24	KNP3600-48	KNP6000-48
<b>Input(AC)</b>			
Nominal Voltage	220/230/240Vac		
Selectable Voltage Range	170~280Vac (For Personal Computers) 90~280Vac (For Home Appliances)		
Frequency	50/60Hz (Auto Detection)		
Power Factor	0.98		
AC Switch	Optional		
Generator input	Support		
<b>PV String Input(DC)</b>			
Max PV Array Open Circuit Voltage Range	500Vdc		
Start-up Voltage	120Vdc		
Initial Feeding Voltage	150Vdc		
MPPT Voltage Range	120Vdc ~ 450Vdc		
Number of MPPT Trackers	1		
Maximum PV input Power	4000W	4000W	6700W
DC Switch	Optional		
<b>AC Output</b>			
Nominal output Power	3600W/3600VA	3600W/3600VA	6000W/6000VA
Nominal Voltage (Batt. Mode)	220/230 (Default)/240Vac ± 5%, User Settable		
Surge Power	7200VA	7200VA	12000VA
Transfer Time	15ms (For Personal Computers); 20ms (For Home Appliances)		
Waveform	Pure sine wave		
Output THDv (@Linear Load)	<3%		
Battery Mode Efficiency (Peak)	93.5%		
<b>Battery &amp; Charge</b>			
Norminal Votage (LiFePO4)	25.6Vdc	51.2Vdc	51.2Vdc
Norminal Votage (Lead Acid)	24V	48V	48V
Max. AC charge Current	120A	60A	120A
Max. Solar Charge Current	120A	60A	120A
Max. Charge Current	120A (User Selectable)	60A (User Selectable)	120A (User Selectable)
<b>Interface &amp; Mechanical</b>			
Display	LCD & LED		
Parallel Function	Optional, max 6 units		
Communication Interface	RS232/USB/Dry Contact; Optional: RS485/CAN/WIFI		
Dimension (D*W*H/mm)	134.0*427.5*460.8		
Net Weight (kg)	11.5	11.6	13.2
<b>Protection</b>			
Output Over-current Protection	Yes		
Function Protection	Short Circuit; Over voltage; Under voltage;		
Insulation Detection	Yes		
AC/DC Surge Protection	Yes		
<b>General Specifications</b>			
Operating Temperature	-10°C~50°C		
Storage Temperature	-15°C~60°C		
Relative Humidity	5%~95%, non-condensing		
Altitude	<3000m		
Protection Class	IP21		
<b>Standards</b>			
Safety standard/EMC standard	IEC/EN62109-1&2 EN61000-6-1&2&3&4		

1. Specifications are subject to change without prior notice

2. Data above are typical values for reference only, not as a basis for engineering design 3. Output load will not be derated if the working altitude is under 2000m