

EESNB Series

## 20KW Power Frequency Pure Sine Wave Inverter Off-grid Three Phase



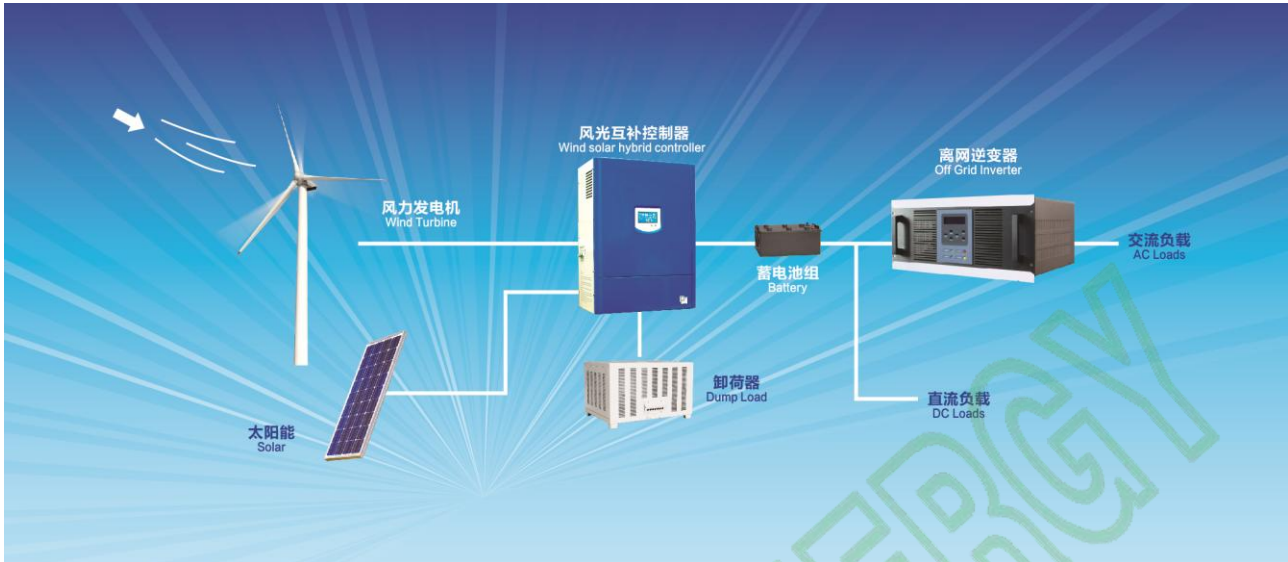
## Product Features:

- Complete isolation-type inverter technology, noiseless output.
- Adoption of advanced SPWM technology, pure sine wave output.
- Dynamic current loop control technology to ensure inverter reliable operation.
- Wide DC input voltage range.
- Excellent EMC design.
- Low output harmonic distortion (THD $\leq$ 3%).
- LED indicators for input voltage range, load power range, normal output & failure state.
- Optional energy saving mode.
- Extensive protections: reverse polarity, short-circuit, overload, under/over input voltage over-temperature, and inverter's inner fault identification protections.
- Wide working temperature range (industrial level).
- Continuous operation at full power.

## Application

- For desolate area like mountain, island, pasturing area, etc.
- For transportation system like beacon light, traffic light, street light, etc.
- For communication system: unattached operation microwave middle station, optical cable maintenance station, etc.
- For solar power station, wind-solar power station, park charging station, family power house, factory power station, etc.
- For solar building: has good business future.
- For the new technology application project.

## Connection Diagram:



## Technical Parameters

Type		EESNB20-48	EESNB20-96	EESNB20-110	EESNB20-220
DC input	Input rated voltage	48 VDC	96 VDC	110 VDC	220 VDC
	Input rated current	463A	231A	202 A	101A
	Input DC voltage allowing range	40-62 VDC	80-124 VDC	90-140 VDC	180-280 VDC
AC input (AC bypass)	Allow input voltage range	220 VAC / 380 VAC / 400 VAC± 15% VAC			
	Input rated current	55.5A / 30A / 29A			
	Bypass transfer time	≤40 ms (4ms optional)			

AC output	Output rated power	20KVA
	Output rated voltage and frequency	220 VAC / 380 VAC / 400 VAC, 50Hz / 60Hz
	Output rated current	55.5A / 30A / 29A
	Output voltage accuracy	220 VAC / 380 VAC / 400 VAC $\pm$ 2%
	Output frequency accuracy	50Hz / 60Hz $\pm$ 0.05%
	Wave	Pure sine wave (Isolation transformer)
	THD.	$\leq$ 3%(Linear load)
	Power factor (PF)	0.8
	Overload capacity	120%,10 minutes
	Overcurrent capacity	200%,10 seconds
	Crest factor (CF)	3:01
	Inverter efficiency	$>$ 92%
Working Environment	Dielectric strength	1500VAC,1minute
	Noise (1m)	$\leq$ 50dB
	Ambient temperature	-10 $^{\circ}$ C ~+50 $^{\circ}$ C
	Humidity	0~90%, No condensation
	Altitude	$<$ 2000m Higher than 2000m rated power should be reduced
Production function	Input reverse protection, input under-voltage protection, output overload protection, output short circuit protection, thermal protection	
Communication interface	RS485/WIFI/GPRS/Ethernet (optional)	
Pure Sine Wave	Yes	
Equipped With Copper Transformer	Yes	
Solar Charger	Optional	

AC Charger	Optional
Generator Port	Optional
Size	550*1050*1200 mm
Weight	220kg

**\*Above parameter only for reference only. Could be custom made to user specifications.**

ENGELECEENERGY



**Project Sample:**

