

EESNB Series

5KW Power Frequency Pure Sine Wave Inverter Off-grid Three Phase



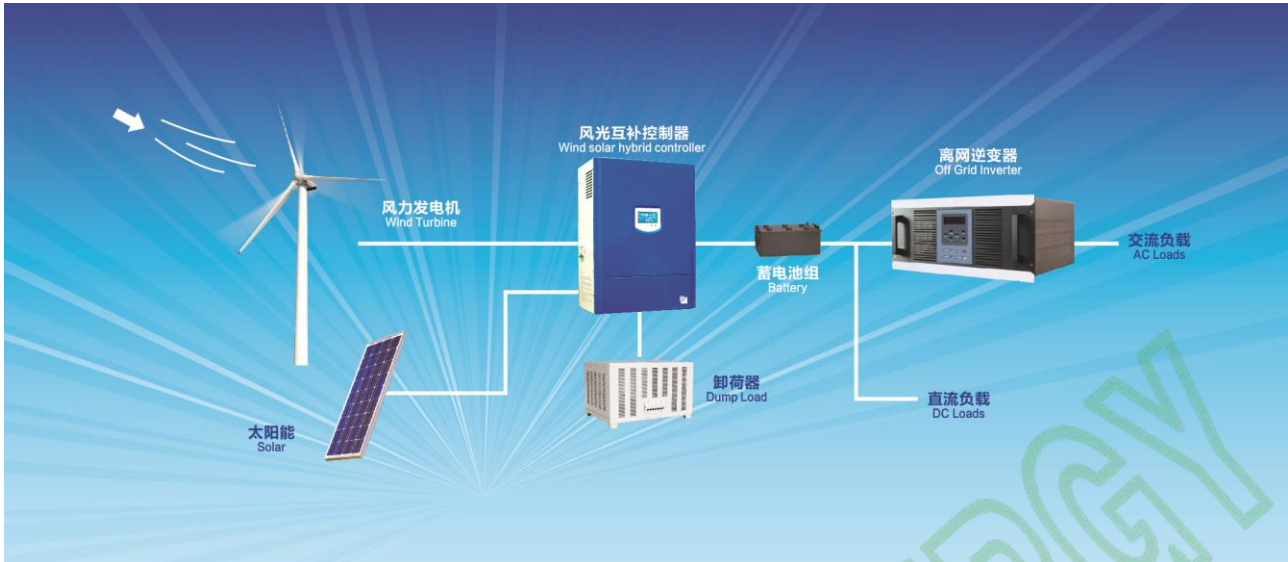
Product Features:

- 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		EESNB05-48	EESNB05-96	EESNB05-110	EESNB05-220
DC input	Input rated voltage	48 VDC	96 VDC	110 VDC	220 VDC
	Input rated current	115.7 A	57.9A	50.5A	25 A
	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	15A / 7.5A / 7A			
	Bypass transfer time	≤40 ms (4ms optional)			

AC output	Output rated power	5KVA
	Output rated voltage and frequency	220 VAC / 380 VAC / 400 VAC, 50Hz / 60Hz
	Output rated current	15A / 7.5A / 7A
	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	$>$ 90%
Working Environment	Dielectric strength	1500VAC,1minute
	Noise (1m)	\leq 50dB
	Ambient temperature	-10 $^{\circ}$ C ~+50 $^{\circ}$ C
	Humidity	0~90%, No condensation
	Altitude	$<$ 3000m Higher than 3000m 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	520*920*1050 mm
Weight	135 kg

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

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Project Sample:

