

EEDNB Series

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



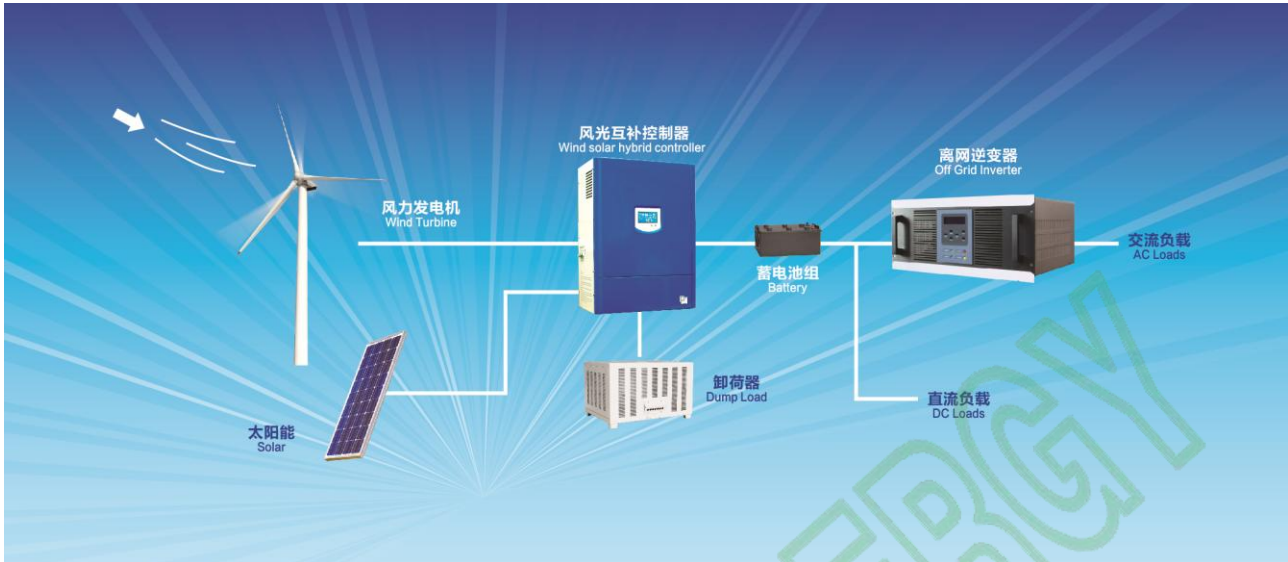
Product Features:

- 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

Model		EEDNB05-48	EEDNB05-96	EEDNB05-110	EEDNB05-220
DC input	Input rated voltage	48 VDC	96 VDC	110 VDC	220 VDC
	Input rated current	119A	52A	45.5A	22.7A
	Input DC voltage allowing range	40-60 VDC	75-135 VDC	80-145 VDC	180-300 VDC
AC bypass	Allow input voltage range	110 VAC / 120 VAC / 220 VAC / 240 VAC \pm 15%			
	Input rated current	45.5A / 41.7A / 22.5 A / 21A			
	Bypass transfer time	\leq 4 ms			

AC output	Rated capacity	5KVA
	Output rated power	4KW
	Output rated voltage and frequency	110 VAC / 120 VAC / 220 VAC / 240 VAC, 50Hz / 60Hz
	Output rated current	45.5A / 41.7A / 22.5 A / 21A
	Output voltage accuracy	110 VAC / 120 VAC / 220 VAC / 240 VAC± 2%
	Output frequency accuracy	50Hz / 60Hz ± 0.05%
	Wave	Pure sine wave (Isolation transformer)
	THD.	≤3%(Linear load)
	Power factor (PF)	0.8
	Overload capacity	120%,3 minutes,150%,10 second
	Crest factor (CF)	3:01
	Inverter efficiency	> 90%
Working Environment	Dielectric strength	1500VAC,1minute
	Noise (1m)	≤50dB
	Ambient temperature	-10°C~+50°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.	
Size	510*660*850 mm	
Weight	75 Kg	

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

Project Sample:

