

EEDNB Series

7.5KW Power Frequency Pure Sine Wave Inverter Off-grid Single Phase



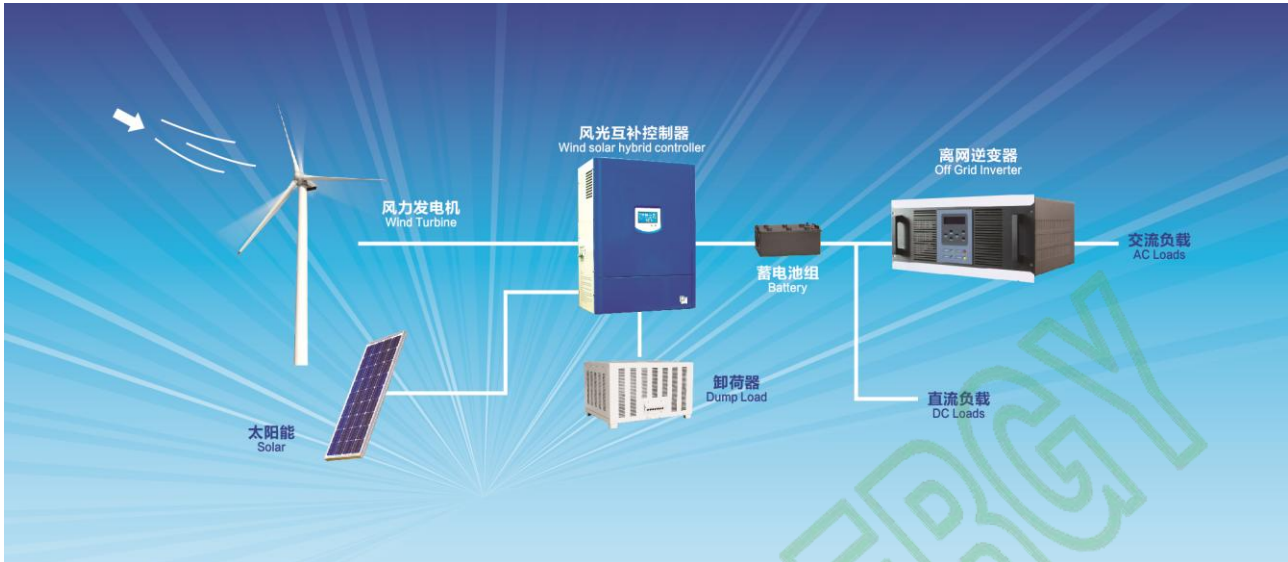
Product Features:

- 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		EEDNB7.5-48	EEDNB7.5-96	EEDNB7.5-110	EEDNB7.5-220
DC	Input rated voltage	48 VDC	96 VDC	110 VDC	220 VDC
	Input rated current	156A	78A	68A	34A
	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	68A / 62.5A / 34A /31A			
	Bypass transfer time	\leq 4 ms			

AC output	Output rated power	7.5KW
	Output rated voltage and frequency	110 VAC / 120 VAC / 220 VAC / 240 VAC, 50Hz / 60Hz
	Output rated current	68A / 62.5A / 34A / 31A
	Output voltage accuracy	110 VAC / 120 VAC / 220 VAC / 240 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%,3 minutes,150%,10second
	Crest factor (CF)	3:01
	Inverter efficiency	$>$ 90%
Working Environment	Dielectric strength	1500VAC,1minute
	Noise (1m)	\leq 50dB
	Ambient temperature	-10 $^{\circ}$ C \sim +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	
Size	560*780*950 mm	
Weight	110 kg	

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

Project Sample:

