

## 100KVA off grid single phase inverter technical parameters

Type		NB240-100KDZ	NB380-100KDZ
DC input	Input rated voltage	240 V <sub>DC</sub>	380 V <sub>DC</sub>
	Input rated current	463 A	292 A
	Input DC voltage range	200-310 V <sub>DC</sub>	320-496V <sub>DC</sub>
AC input (AC Bypass)	Allow input voltage range	110 V <sub>AC</sub> / 120 V <sub>AC</sub> / 220 V <sub>AC</sub> / 240 V <sub>AC</sub> ± 15% V <sub>AC</sub>	
	Input rated current	909A / 833A / 455A /417A	
	Bypass transfer time	≤100 ms (Can be customized ≤ 4ms version)	
AC output	Rated capacity	100KVA	
	Output rated power	80KW	
	Output rated voltage and frequency	110 V <sub>AC</sub> / 120 V <sub>AC</sub> / 220 V <sub>AC</sub> / 240 V <sub>AC</sub> , 50Hz / 60Hz	
	Output rated current	909A / 833A / 455A /417A	
	Output voltage accuracy	110 V <sub>AC</sub> / 120 V <sub>AC</sub> / 220 V <sub>AC</sub> / 240 V <sub>AC</sub> ± 1%	
	Output frequency accuracy	50Hz / 60Hz ±0.05%	
	Waveform distortion (THD). (Linear load)	≤3%	
	Dynamic response time (Load 0↔100%)	2ms	
	Power factor (PF)	0.8	
	Overload capacity	120%,10minutes, 200% ,10seconds	
	Crest factor (CF)	3:1	
	Inverter efficiency	90%	
Working Environment	Dielectric strength	1500VAC,1minute	
	Noise (1m)	≤50dB	
	Ambient temperature	-10°C~+50°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		
Pure Sine Wave		Yes	
Equipped with copper transformer		Yes	
If solar charger is available		Yes	
AC Charger		Available, optional	
Dry Contact		Available. Optional	
Size(mm)	660*1500*1600mm		
Weight(kg)	850kg		



# C E R T I F I C A T E

## ATTESTATION CERTIFICATE OF ELECTROMAGNETIC COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully.

2014/30/EU Electromagnetic Compatibility Directive and

2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name : Jinan Deming Power Equipment Co., Ltd.

Company Address : North Eshuan Road, No. 8666, Kangqiao Development Center, Building 2, Jinan, Shandong, China

Related Directives and Annex : 2014/35/EU Low Voltage Directive  
2014/30/EU Electromagnetic Compatibility Directive

Related Standards : EN 61727:1996; EN 62368-1:2020+A11:2020; EN 55032:2015+A1:2020  
EN 62116:2014 EN 50561-1:2013; EN 55035:2017+A11:2020  
EN 61000-3-3:2013+A1:2019; EN 61000-3-2:2019  
EN 61000-3-12:2011; EN 61000-3-11:2019

Product Name : Inverter

Report No and Date : TCF-03-2020500-LVD TCF-03-2020500-EMC

Product Brand/Model/Type : 1KW, 2KW, 3KW, 5KW, 10KW, 20KW, 30KW, 45KW, 50KW, 60KW,  
75KW, 100KW, 150KW, 200KW, 250KW, 300KW, 800KW, 1000KW

Certificate Number : M.2021.206.C63145

Initial Assessment Date : 26.03.2021

Registration Date : 29.03.2021

Reissue Date/No : -

Expiry Date : 28.03.2026

  
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