

5KVA(4KW) Off Grid Three Phase Technical Data Sheet

Type		NB48-5KSZ	NB96-5KSZ	NB120-5KSZ	NB240-5KSZ
DC input	Input rated voltage	48 V _{DC}	96 V _{DC}	120 V _{DC}	240 V _{DC}
	Input rated current	116 A	58 A	46 A	23 A
	Input DC voltage range	40-62V _{DC}	80-124 V _{DC}	100-155 V _{DC}	200-310 V _{DC}
AC input (AC Bypass)	Allow input voltage range	220 V _{AC} / 380 V _{AC} / 400 V _{AC} ± 15% V _{AC}			
	Input rated current	14A / 8 A / 7.5A			
	Bypass transfer time	≤ 40ms (Can be customized ≤ 4ms version)			
AC output	Rated capacity	5KVA			
	Output rated power	4KW			
	Output rated voltage and frequency	220 V _{AC} / 380 V _{AC} / 400 V _{AC} , 50Hz / 60Hz			
	Output rated current	14A / 8 A / 7.5A			
	Output voltage accuracy	220 V _{AC} / 380 V _{AC} / 400 V _{AC} ± 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)	0≤50dB			
	Ambient temperature	-10°C~+50°C			
	Humidity	0~90%, No condensation			
	Altitude	< 2000m (Higher than 2000m rated power should be reduced)			
Pure Sine Wave		Yes			
Equipped with isolated copper transformer		Yes			
Solar Charger		Optional, available			
AC Charger		Optional, available			
Generator Port		Optional, available			
Production function	Input reverse protection, input under-voltage protection, output overload protection, output short circuit protection, thermal protection				
Product Size	400*660*800mm				
Weight	120kg				



CERTIFICATE

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 Erhuan 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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