

10KVA(8KW) off grid three phase inverter technical parameters

Type		NB48-10KSZ	NB96-10KSZ	NB120-10KSZ	NB240-10KSZ
DC input	Input rated voltage	48 V _{DC}	96 V _{DC}	120 V _{DC}	240 V _{DC}
	Input rated current	231 A	116 A	93 A	46 A
	Input DC voltage allowing 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	28A / 15A / 14.5A			
	Bypass transfer time	≤40 ms (Can be customized ≤ 4ms version)			
AC output	Rated capacity	10KVA			
	Output rated power	8KW			
	Output rated voltage and frequency	220 V _{AC} / 380 V _{AC} / 400 V _{AC} , 50Hz / 60Hz			
	Output rated current	28A / 15A / 14.5A			
	Output voltage accuracy	220 V _{AC} / 380 V _{AC} / 400 V _{AC} ± 1%			
	Output frequency accuracy	50Hz / 60Hz ± 0.05%			
	Wave Form	Pure sine wave (Isolation transformer)			
	THD.	≤3% (Linear load)			
	Power factor (PF)	0.8			
	Overload capacity	120%,10minutes, 200% ,10seconds			
	Crest factor (CF)	3:1			
	Inverter efficiency	> 92%			
Working Environment	Dielectric strength	1500VAC,1 minute			
	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			
Solar Charger		Optional, available			
AC Charger		Optional, available			
Generator Port		Optional, available			
Size(mm)		450×830×1100 mm			
Weight(kg)		180 kg			



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 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
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Expiry Date : 28.03.2026


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