

7.5KVA off grid single phase inverter technical parameters

Type		NB48-7.5KDZ	NB96-7.5KDZ	NB120-7.5KDZ	NB240-7.5KDZ
DC input	Input rated voltage	48 V _{DC}	96 V _{DC}	120 V _{DC}	240 V _{DC}
	Input rated current	174A	87A	69A	35A
	Input DC voltage range	40-62 V _{DC}	80-124 V _{DC}	100-155 V _{DC}	200-310 V _{DC}
AC input	Allow input voltage range	110 V _{AC} / 120 V _{AC} / 220 V _{AC} / 240 V _{AC} ± 15%			
	Input rated current	68A / 62.5A / 34A / 31A			
	Bypass transfer time	≤40 ms (Can be customized ≤ 4ms version)			
AC output	Rated capacity	7.5KVA			
	Output rated power	6KW			
	Output rated voltage and frequency	110 V _{AC} / 120 V _{AC} / 220 V _{AC} / 240 V _{AC} , 50Hz / 60Hz			
	Output rated current	68A / 62.5A / 34A / 31A			
	Output voltage accuracy	110 V _{AC} / 120 V _{AC} / 220 V _{AC} / 240 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)	≤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				
Equipped with isolated transformer		Yes			
Pure Sine Wave		Yes			
AC Charger		Available, optional			
Solar Battery Charger		Available, optional			
Dry Contact		Available. optional			
Size	Net Size: 400*660*770mm Packing Size:500*780*930				
Weight	Net Weight :105KGS Gross Weight :126KGS				



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
Reissue Date/No : -
Expiry Date : 28.03.2026


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Address: Mutlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya – Ankara – TURKEY
Phone: +90 0312 443 03 90 Fax: +90 0312 443 03 76
E-mail: info@udemltd.com.tr www.udem.com.tr

