

10KVA off grid single phase inverter technical parameters

Type		NB48-10KDZ	NB96-10KDZ	NB120-10KDZ	NB240-10KDZ
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 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% V _{AC}			
	Input rated current	91A / 104A / 45.5 A / 42A			
	Bypass transfer time	≤40 ms (Can be customized ≤ 4ms version)			
AC output	Rated capacity	10KVA			
	Output rated power	8KW			
	Output rated voltage and frequency	110 V _{AC} / 120 V _{AC} / 220 V _{AC} / 240 V _{AC} , 50Hz / 60Hz			
	Output rated current	91A / 104A / 45.5 A /42A			
	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℃~+50℃			
	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	550*480*1200mm				
Weight	130kg				



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


UDEM International Certification
Auditing Training Centre Industry
and Trade Inc. Co.

The validity of the certificate can be checked through www.udem.com.tr. The CE mark shown on the right can only be used under the responsibility of the manufacturer with the completion of EC Declaration of Conformity for all the relevant Directives. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any changes on the product(s).

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

