









500KVA off grid three phase inverter data sheet

Type	NB480-500KSZ	
DC input	Input rated voltage	480 V _{DC}
	Input rated current	1157 A
	Input DC voltage range	400-620 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	1280A / 760A / 725A
	Bypass transfer time	≤100 ms (Can be customized ≤ 4ms version)
AC output	Rated capacity	500KVA
	Output rated power	400KW
	Output rated voltage and frequency	220 V _{AC} / 380 V _{AC} / 400 V _{AC} , 50Hz / 60Hz
	Output rated current	1280A / 760A / 725A
	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)	≤50dB
	Ambient temperature	-10°C~+50°C
	Humidity	0~90%,No condensation
	Altitude	< 2000m (Higher than 2000m rated power should be reduced)
Equipped with copper transformer		Yes
Pure Sine Wave		Yes
AC Charger		Optional
Solar Charger		Optional
Generator port		Optional
Production function	Input reverse protection, input under-voltage protection, output overload protection, output short circuit protection, thermal protection	
Product Size	1910*1160*1880mm	
Product Weight	1500-1800kg	



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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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

