

Test Verification of Conformity

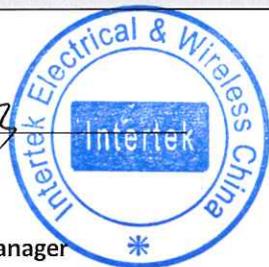
In the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the requirements of the referenced specifications at the time the tests were carried out.

Applicant Name & Address:	Ningbo Deye Inverter Technology Co., Ltd. No.26 South Yongjiang Road, Beilun, Ningbo, China
Product Description:	PV grid-connected inverter
Ratings & Principle Characteristics:	DC input range: 45-90V Max. input current: 17.5A (for SUN-1000GTIL2-LCD-45-90V-230V), 35A (for SUN-2000GTIL2-LCD-45-90V-230V) AC output range: 196-264Vac Nominal AC output current: 4.2A (for SUN-1000GTIL2-LCD-45-90V-230V), 8.4A (for SUN-2000GTIL2-LCD-45-90V-230V) AC output power: 950W (for SUN-1000GTIL2-LCD-45-90V-230V), 1930W (for SUN-2000GTIL2-LCD-45-90V-230V) Power factor: 0.99 Operation Ambient Temp.: -20~+45°C
Models:	SUN-1000GTIL2-LCD-45-90V-230V, SUN-2000GTIL2-LCD-45-90V-230V
Brand Name:	Deye Tech. Group  MASSPOWER D 7 2
Relevant Standards	EN 50438: 2013, Requirements for micro-generating plants to be connected in parallel with public low-voltage distribution networks Type Verification for Czech Republic
Verification Issuing Office:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China
Date of Tests:	24 Oct., 2016 – 21 Nov., 2016
Test Report Number(s):	161024095GZU-001

This verification is part of the full test report(s) and should be read in conjunction with them.

Signature

Name: Grady Ye
Position: Assistant Manager
Date: 30 Nov., 2016



This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

Annex to Verification of Conformity

This is an Annex to Test Verification of Conformity with Verification/Report Number(s):
161024095GZU-001. the issuing office is Intertek Testing Services Shenzhen Ltd. Guangzhou Branch
 (Address: Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD,
 Guangzhou, China).

Over-/under-voltage				
Parameter	Over Voltage		Under Voltage	
	Voltage (V)	Disconnection Time (s)	Voltage (V)	Disconnection Time (s)
Protection limit	264.5	0.2	195.5	0.2
Actual setting (as applied to interface protection)	264	0.1	196	0.1
Trip value (test result)-1	264.2	0.128	195.6	0.126
Trip value (test result)-2	264.4	0.136	195.6	0.122
Trip value (test result)-3	264.2	0.126	195.8	0.085
Trip value (test result)-4	264.4	0.124	195.6	0.168
Trip value (test result)-5	264.4	0.131	195.8	0.170




Signature

Name: Grady Ye
 Position: Assistant Manager
 Date: 30 Nov., 2016

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

Over- /under-frequency				
Parameter	Over Frequency		Under Frequency	
	Frequency (Hz)	Time (s)	Frequency (Hz)	Time (s)
Protection limit	52.0	0.5	47.5	0.5
Actual setting (as applied to interface protection)	52.0	0.1	47.5	0.1
Trip value (test result)-1	52.00	0.121	47.50	0.132
Trip value (test result)-2	52.00	0.130	47.50	0.156
Trip value (test result)-3	52.00	0.150	47.50	0.174
Trip value (test result)-4	52.00	0.144	47.50	0.160
Trip value (test result)-5	52.02	0.145	47.50	0.167

LOM test						
Method used	EN 62116					
Balancing load on island network	33% of -5% Q Test 22	66% of -5% Q Test 12	100% of -5% P Test 5	33% of +5% Q Test 31	66% of +5% Q Test 21	100% of +5% P Test 10
Trip time	684ms	1421ms	1183ms	512ms	1568ms	1540ms




Signature

Name: Grady Ye
 Position: Assistant Manager
 Date: 30 Nov., 2016

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.