

Test Verification of Conformity

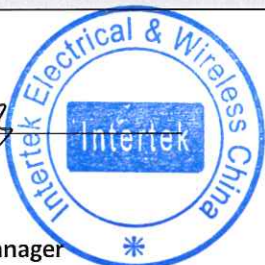
In the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the requirements of the referenced specifications at the time the tests were carried out.

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	DC input range: 45-90V
Characteristics:	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 
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



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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				
	Over Voltage		Under Voltage	
Parameter	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

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Over- /under-frequency				
	Over Frequency		Under Frequency	
Parameter	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


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