

# Test Verification of Conformity

Verification Number: 180906030GZU-001

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

Applicant Name & Address:	Shen Zhen Lux Power Technology Co., LTD Room 403, 4th Floor, Building 63, Zhongwu New Industrial Park, Zhongwu Community, Hangcheng Street, Baoan District, Shenzhen, China
Product Description:	Hybrid Inverter
Ratings & Principle Characteristics:	See Appendix to Test Verification of Conformity
Models/Type References:	LXP-3K hybrid, LXP-3.6K hybrid, LXP-4K hybrid, LXP-4.6K hybrid, LXP-5K hybrid
Brand Name<s>:	
Specification<s>/Standard<s>:	EN 50438: 2013, Requirements for micro-generating plants to be connected in parallel with public low-voltage distribution networks Type approval for Turkey and the default interface settings are applied for all CENELEC members that do not have specific settings and requirements
Verification Issuing Office Name & Address:	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
Test Report Number<s>:	180906030GZU-001

Additional information in Appendix.



Signature

Name: Grady Ye

Position: Manager

Date: 25 Jan., 2019



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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 180906030GZU-001.

### Ratings & Principle Characteristics:

Max. DC voltage: 550V  
MPP voltage range: 120-500V  
Max. DC short current (input A/ input B): 13.7A/ 13.7A  
Max. DC current (input A/ input B): 10A/ 10A (for LXP-3K hybrid), 11A/ 11A (for LXP-3.6K hybrid, LXP-4K hybrid, LXP-4.6K hybrid, LXP-5K hybrid)  
Max. DC power: 6600W (for LXP-3K hybrid), 7000W (for LXP-3.6K hybrid, LXP-4K hybrid), 8000W (for LXP-4.6K hybrid, LXP-5K hybrid)  
Nominal AC voltage, Frequency: 230V~, 50/60Hz  
Max. continuous AC current: 15A (for LXP-3K hybrid), 16A (for LXP-3.6K hybrid), 20A (for LXP-4K hybrid), 25A (for LXP-4.6K hybrid, LXP-5K hybrid)  
Nominal AC power (@ $\cos\phi=1$ ): 3000W (for LXP-3K hybrid), 3680W (for LXP-3.6K hybrid), 4000W (for LXP-4K hybrid), 4600W (for LXP-4.6K hybrid), 5000W (for LXP-5K hybrid)  
Power factor at rated power: 1  
Adjustable displacement factor range: 0.8 leading – 0.8 lagging  
AC input nominal voltage, Frequency: 230V~, 50/60Hz  
AC input max. continuous current: 15A (for LXP-3K hybrid, LXP-3.6K hybrid), 20A (for LXP-4K hybrid), 25A (for LXP-4.6K hybrid, LXP-5K hybrid)  
AC input nominal power: 3000W (for LXP-3K hybrid, LXP-3.6K hybrid), 4000W (for LXP-4K hybrid), 4600W (for LXP-4.6K hybrid), 5000W (for LXP-5K hybrid)  
EPS nominal voltage, Frequency: 230V~, 50/60Hz  
EPS nominal output power: 3000W  
EPS nominal current: 13A  
Battery voltage operation voltage: 40 – 60V  
Max. charge and discharge current: 66A  
Max. charge and discharge power: 3600W  
Operating ambient temperature range: -25 to 60°C  
Ingress protection: IP65  
Protective Class: I

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