



**BUREAU
VERITAS**

TEST REPORT

DIN VDE V 0124-100

Test requirements for generation units to be connected and operated parallel with the low voltage distribution networks

Report reference number: PVDE200311N005

Date of issue: 2020-10-29

Total number of pages: 152

Testing laboratory name.....: **Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch**

Address: No. 96, Guantai Road (Houjie Section), Houjie Town, Dongguan City, Guangdong Province, 523942, People's Republic of China

Accreditation.....:



Applicant's name.....: **ShenZhen Lux Power technology Co., LTD**

Address: Room 403, 4th Floor, Building 63, ZhongwuNew Industrial Park, Zhongwu Community, Hangcheng Street, Baoan District, Shenzhen

Test specification

Standard.....: VDE AR-N 4105:2018-11

DIN VDE V 0124-100:2020-06

Test Report Form No.....: DIN VDE V 0124-100 VER.2

TRF Originator.....: Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch

Master TRF: Dated 2020-08-06

Test item description: **Hybrid inverter**



Trademark: **LUXPOWER^{TEK}**

Model / Type.....: LXP-3K Hybrid, LXP-3.6K Hybrid, LXP-4K Hybrid, LXP-4K6 Hybrid

This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



Ratings:	LXP-3K Hybrid	LXP-3.6K Hybrid	LXP-4K Hybrid	LXP-4K6 Hybrid
Input DC voltage range [V].....:	100-550			
MPP DC voltage range [V].....:	120-500			
Input DC current [A].....:	2×10	2×11		
Output AC voltage [V].....:	230,50Hz			
Output AC current [A].....:	Max.15	Max.16	Max.20	Max.25
Output rated AC current [A].....:	13,0	15,6	17,3	20,0
Initial short-current AC current I_k [A].:	18,0	19,2	24,0	30,0
Output power [VA].....:	3000	3600	4000	4600
Battery operation voltage range [V]..:	40-60			
Max. charge and discharge current [A]:	66			
Max. charge and discharge power [W]:	3600			

Testing Location.....:	Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch		
Address	No. 96, Guantai Road (Houjie Section), Houjie Town, Dongguan City, Guangdong Province, 523942, People's Republic of China		
Tested by (name, function and signature)	Jack Shi		
Approved by (name, function and signature)	James Huang		
Manufacturer's name	ShenZhen Lux Power technology Co., LTD		
Manufacturer address	Room 403, 4th Floor, Building 63, ZhongwuNew Industrial Park, Zhongwu Community, Hangcheng Street, Baoan District, Shenzhen		
Manufacturer's name	ShenZhen Sea Star Industry Co., Ltd.		
Factory address.....	5th Floor, No.1 Building, Sea Star Jin Long Factory, No.10 Jin Long 1th Avenue Bao Long Community, Long Gang Street, Long Gang District, Shenzhen, Guangdong, China		

Document History			
Date	Internal reference	Modification / Change / Status	Revision
2020-10-29	Jack Shi	Initial report was written	0
Supplementary information:			



Test items particulars

Equipment mobility : Permanent connection
 Operating condition : Continuous
 Class of equipment..... : Class I
 Protection against ingress of water .. : IP65 according to EN 60529
 Mass of equipment [kg] : Approx. 21,0

Test case verdicts

Test case does not apply
 to the test object : N/A
 Test item does meet
 the requirement : P(ass)
 Test item does not meet
 the requirement : F(ail)

Testing

Date of receipt of test item : 2020-03-11
 Date(s) of performance of test : 2020-03-11 to 2020-10-08