

Certificate of Conformity (COC)



Certificate Holder : Shenzhen Loftty Technology Co., Ltd
Rm 303, Bldg 23, Zhiheng Strategy Industry Park, Nanshan District, Shenzhen, Guangdong,
China

Date of Original Issue : 2026-05-31

Date of Last Revision : --

Date of Expiry : 2029-05-30

Certificate Number : PCS-26-1117

Product : Solar Inverter

Ratings : See appendix on page 2

Brand/Trademark : Solenux

Model(s) : LHG3.6K-P1LV-EU PRO, LHG5K-P1LV-EU PRO, LHG6K-P1LV-EU PRO

Test Laboratory : SGS-CSTC Standards Technical Services Co., Ltd. Suzhou Branch

Testing Report : SUGC260500007551

Test Standard : C10/11: ed. 2.3 2024



This is to certify that the product has been tested and was found to comply with the requirements of the standard(s).
The above-mentioned product is certified according to the requirements of ISO/IEC 17065:2012.

Christopher Hee
Certification Officer

SGS Testing & Control Services Singapore Pte Ltd
30 Boon Lay Way #03-01 Singapore 609957



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Model	LHG3.6K-P1LV-EU PRO	LHG5K-P1LV-EU PRO	LHG6K-P1LV-EU PRO
PV Input			
Max. PV Input Power	5760 W	6500 W	9600 W
PV Input Voltage Range	125 ~ 500 Vdc		
Full Load MPPT Voltage Range	300 ~ 425 Vdc		
Max. Input Current	18 A + 18 A		
Max. Short Current	27 A + 27 A		
AC Input / Output (On-Grid Terminal)			
Rated AC Input/Output Active Power	3600 W	5000 W	6000 W
Max. AC Input/Output Apparent Power	3960 VA	5500 VA	6600 VA
Rated AC Input/Output Current	15.7 A	21.8 A	26.1 A
Max. AC Input/Output Current	17.3 A	24.0 A	28.7 A
Grid Voltage	L/N/PE, 230Va.c., 50Hz		
Power Factor Range	0.8 leading to 0.8 lagging		
AC Output (Off-Grid Terminal)			
Rated AC Output Active Power	3600 W	5000 W	6000 W
Max. AC Output Apparent Power	3960 VA	5500 VA	6600 VA
Rated AC Output Current	15.7 A	21.8 A	26.1 A
Max. AC Output Current	17.3 A	24.0 A	28.7 A
Grid Voltage	L/N/PE, 230Va.c., 50Hz		
Battery			
Battery type	Lead-acid or Lithium-ion		
Battery voltage range	40 ~ 60 Vdc		
Max. Charge/Discharge Current	90 A / 90 A	120 A / 120 A	135 A / 135 A
General Data			
Operating temperature range	-40 °C ~ +60 °C, >45 °C Derating		
Protection degree	IP65		
Permissible Altitude	2000 m		
Protective class	Class I		
Weight	21.8 kg		
Inverter Topology	Non-Isolated		
Cooling group	Intelligent Air Cooling		

