



ATTESTATION of conformity with European Directives

BV LCIE CHINA Number N°2566AS05CNDQ59809

Product Energy Storage Converter

Reference ESS-GRID P500L, ESS-GRID P450L, ESS-GRID P400L, ESS-GRID P350L,
ESS-GRID P300L, ESS-GRID P250L, ESS-GRID P200L, ESS-GRID P150L,
ESS-GRID P100L, ESS-GRID P50L

Trademark



Issued to BSL NEW ENERGY TECHNOLOGY CO., LTD

Address 8F, Building D-2-3, 1F, Building D-2-3, 8F, Building D-2-2, No. 6, Xingyuan North
Road, Starting Area China-Korea Huizhou Industrial Park, Zhongkai District,
Huizhou City, Guangdong, P.R. China

Manufacturer BSL NEW ENERGY TECHNOLOGY CO., LTD

Address 8F, Building D-2-3, 1F, Building D-2-3, 8F, Building D-2-2, No. 6, Xingyuan North
Road, Starting Area China-Korea Huizhou Industrial Park, Zhongkai District,
Huizhou City, Guangdong, P.R. China

Technical characteristics See below table

The submitted sample of the above equipment has been tested according to following European Directive and following standards:

LVD Directive 2014/35/EU

Standards	Report number	Report date
IEC 62109-1:2010, EN 62109-1:2010	CNBP-ESH-P24111056	12/05/2025

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the specified European Directive

This verification does not imply assessment of the production of the product

Shanghai (P.R. China), May 13th, 2025.



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**BUREAU
VERITAS**

Model / Type.....:	ESS-GRID P500L	ESS-GRID P450L	ESS-GRID P400L	ESS-GRID P350L
Ingress Protection.....:	IP55			
Ambient Temperature.....:	-25~60°C (>45°C derating)			
Over Voltage Category.....:	II(DC)			
Inverter Topology.....:	Non-isolation			
Protective Class.....:	I			
DC Side Parameters:				
Rated DC Power	500kW	450kW	400kW	350kW
Operating Voltage Range	500-950Vdc	500-950Vdc	500-950Vdc	500-950Vdc
Maximum DC Current	110A*10	110A*9	110A*8	110A*7
PV Side Parameters:				
Rated PV Power	500kW	450kW	400kW	350kW
Operating Voltage Range	312V-850Vdc	312V-850Vdc	312V-850Vdc	312V-850Vdc
Maximum PV Current	160A*10	160A*9	160A*8	160A*7
Number of PV MPPT Circuits	10	9	8	7

Model / Type.....:	ESS-GRID P300L	ESS-GRID P250L	ESS-GRID P200L	ESS-GRID P150L
Ingress Protection.....:	IP55			
Ambient Temperature.....:	-25~60°C (>45°C derating)			
Over Voltage Category.....:	II(DC)			
Inverter Topology.....:	Non-isolation			
Protective Class.....:	I			
DC Side Parameters:				
Rated DC Power	300kW	250kW	200kW	150kW
Operating Voltage Range	500-950Vdc	500-950Vdc	500-950Vdc	500-950Vdc
Maximum DC Current	110A*6	110A*5	110A*4	110A*3
PV Side Parameters:				
Rated PV Power	300kW	250kW	200kW	150kW
Operating Voltage Range	312V-850Vdc	312V-850Vdc	312V-850Vdc	312V-850Vdc
Maximum PV Current	160A*6	160A*5	160A*4	160A*3
Number of PV MPPT Circuits	6	5	4	3



**BUREAU
VERITAS**

Model / Type.....:	ESS-GRID P100L	ESS-GRID P50L
Ingress Protection.....:	IP55	
Ambient Temperature.....:	-25~60°C (>45°C derating)	
Over Voltage Category.....:	II(DC)	
Inverter Topology.....:	Non-isolation	
Protective Class.....:	I	
DC Side Parameters:		
Rated DC Power	100kW	50kW
Operating Voltage Range	500-950Vdc	500-950Vdc
Maximum DC Current	110A*2	110A*1
PV Side Parameters:		
Rated PV Power	100kW	50kW
Operating Voltage Range	312V-850Vdc	312V-850Vdc
Maximum PV Current	160A*2	160A*1
Number of PV MPPT Circuits	2	1