



ATTESTATION of conformity with European Directives

BV LCIE CHINA Number N°2566AS01CNDQ58418

Product ESS-GRID Integrated Li-ion Battery Energy Storage System

Reference ESS-GRID C241, ESS-GRID C225, ESS-GRID C208, ESS-GRID C192,
ESS-GRID C176, ESS-GRID C160

Trademark



Issued to BSL NEW ENERGY TECHNOLOGY CO., LTD

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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

<i>Standards</i>	<i>Report number</i>	<i>Report date</i>
IEC 62109-1:2010, EN 62109-1:2010	CNDQ-ESH-P24111172-1	02/03/2025
IEC 62109-2:2011, EN 62109-2:2011	CNDQ-ESH-P24111172-2	

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), Mar 3rd, 2025.

Robin Wu
Product Line Manager
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Model / Type.....:	ESS-GRID C241	ESS-GRID C225	ESS-GRID C208
PV Port (x3):			
PV Max. Input Voltage	620Vd.c.	577Vd.c.	532Vd.c.
PV MPPT Voltage Range ..:	250-600Vdc	250-557Vdc	250-512Vdc
PV Max. Input Current.....:	160A*3	160A*3	160A*3
Isc PV	180A*3	180A*3	180A*3
Maximum PV Input Power	50kW*3	50kW*3	50kW*3
AC Grid Port:			
AC Input.....:	3/N/PE, 400Vac, 50Hz, 173A, 125kW Max.		
AC Output (On-Grid).....:	3/N/PE, 400Vac, 50Hz, 173A, 125kW Max.		
Power Factor Range.....:	-0.8(lagging) to 0.8(leading)		
AC Load Port:			
AC Output (Off-Grid)	3/N/PE, 400Vac, 50Hz, 173A, 125kW Max.		
AC Output (By-pass)	3/N/PE, 400Vac, 50Hz, 173A, 125kW Max.		
Battery system:			
Battery Type	Li-ion Battery	Li-ion Battery	Li-ion Battery
Nominal Voltage	768Vd.c.	716.8Vd.c.	665.6Vd.c.
Voltage Range	672-852Vd.c.	627.2-795.2Vd.c.	582.4-738.4Vd.c.
Nominal Capacity	314Ah	314Ah	314Ah
Nominal Energy	241kWh	225kWh	208kWh
Rated Charge Current	157A	157A	157A
Rated Discharge Current ..:	157A	157A	157A
Max Charge Current	250A	250A	250A
Rated Discharge Current ..:	250A	250A	250A
Max Discharge Current	0°C ~ 55°C	0°C ~ 55°C	0°C ~ 55°C
Charging Temperature.....:	-20°C ~ 55°C	-20°C ~ 55°C	-20°C ~ 55°C



Model / Type :	ESS-GRID C192	ESS-GRID C176	ESS-GRID C160
PV Port (x3):			
PV Max. Input Voltage :	488Vd.c.	443Vd.c.	398Vd.c.
PV MPPT Voltage Range :	250-468Vdc	250-423Vdc	250-378Vdc
PV Max. Input Current :	160A*3	160A*3	160A*3
Isc PV :	180A*3	180A*3	180A*3
Maximum PV Input Power :	50kW*3	50kW*3	50kW*3
AC Grid Port:			
AC Input:	3/N/PE, 400Vac, 50Hz, 173A, 125kW Max.		
AC Output (On-Grid) :	3/N/PE, 400Vac, 50Hz, 173A, 125kW Max.		
Power Factor Range :	-0.8(lagging) to 0.8(leading)		
AC Load Port:			
AC Output (Off-Grid) :	3/N/PE, 400Vac, 50Hz, 173A, 125kW Max.		
AC Output (By-pass) :	3/N/PE, 400Vac, 50Hz, 173A, 125kW Max.		
Battery system:			
Battery Type :	Li-ion Battery	Li-ion Battery	Li-ion Battery
Nominal Voltage :	614.4Vd.c.	563.2Vd.c.	512Vd.c.
Voltage Range :	537.6-681.6Vd.c.	492.8-624.8Vd.c.	448-568Vd.c.
Nominal Capacity :	314Ah	314Ah	314Ah
Nominal Energy :	192kWh	176kWh	160kWh
Rated Charge Current :	157A	157A	157A
Rated Discharge Current :	157A	157A	157A
Max Charge Current :	250A	250A	250A
Rated Discharge Current :	250A	250A	250A
Max Discharge Current:	0°C ~ 55°C	0°C ~ 55°C	0°C ~ 55°C
Charging Temperature :	-20°C ~ 55°C	-20°C ~ 55°C	-20°C ~ 55°C