

Certificate of compliance

Applicant: Shenzhen OLiPower Energy & Automation Technology Co., Ltd.
1001, Block A, Building 2, SEZ Constrution Wisdom Park, No. 380 Guangming Avenue,
Tangwei Community, Fenghuang Street, Guangming District, Shenzhen City, Guangdong
Province, China

Product: Rechargeable Li-ion energy battery

Models: BRE-B2-16K-01
BRE-B2-16K-02

The certificate refers to the stated model(s) which passed the tests according to the applicable standard(s):

Applied rules and standards:

IEC 62040-1:2017+A1:2021; EN 62040-1:2019+A11:2021; DIN EN IEC 62040-1/A11:2021-08
Uninterruptible power systems (UPS) - Part 1: Safety requirements

At the time of issue of this certificate, the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Report number: CNDQ-ESH-P25110865
Certificate number: U26-0111

Certification Program:
Date of issue:

NSOP-0038-DEU-ZE-V02
2026-02-06

Certification body

Accreditation



Domenik Koll
Head of Energy Systems Germany



Accredited certification body by Deutsche Akkreditierungsstelle GmbH (DAkkS) according to ISO/IEC 17065. The accreditation is valid only for the scope listed in the annex of the accreditation certificate D-ZE-12024-01-00. The Deutsche Akkreditierungsstelle GmbH (DAkkS) is signatory of the multilateral arrangements of EA, ILAC and IAF for mutual recognition.

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Type Approval and declaration of compliance with the requirements of IEC 62040-1:2017+A1:2021; EN 62040-1:2019+A11:2021; DIN EN IEC 62040-1/A11:2021-08

Manufacturer / applicant	Shenzhen OLiPower Energy & Automation Technology Co., Ltd. 1001, Block A, Building 2, SEZ Constrution Wisdom Park, No. 380 Guangming Avenue, Tangwei Community, Fenghuang Street, Guangming District, Shenzhen City, Guangdong Province, China			
Product type	Rechargeable Li-ion energy battery			
Model / Type	BRE-B2-16K-01	BRE-B2-16K-02	--	--
Battery Designation	IFpP73/176/208/ [1P16S]M/-20+50/95	IFpP74/176/209/ [1P16S]M/-20+50/95		
Cell model	RBA4F1	PF173-314A		
Configuration	16S1P	16S1P		
Nominal Voltage (Vd.c.)	51,2	51,2		
Battery Type	LiFePO4	LiFePO4		
Battery Voltage Range (Vd.c.)	44,8~57,6V	44,8~57,6V		
Rated capacity	314Ah	314Ah		
Rated Energy	16 kWh	16 kWh	--	--
Standard Charge Current	157A	157A	--	--
Standard Discharge Current	157A	157A	--	--
Max. Continues Charging Current	200A	200A		
Max. Continues Discharging Current	200A	200A		
Charging Temperature Range	0°C ~ 50°C	0°C ~ 50°C		
Discharging Temperature Range	-20°C ~ 50°C	-20°C ~ 50°C		
Protective class	Class I	Class I		
Ingress Protection	IP65	IP65		
Overvoltage Category level	OVC II	OVC II		
Cooling	Free cooling	Free cooling		
Altitude	Under 4000m	Under 4000m		
Weight:	140±1kg	140±1kg		
Dimension(W*D*H):	480*289*960mm	480*289*960mm		
Firmware version	V1.0			