

Test Verification of Conformity

Verification Number: 240612096GZU-VOC002

On the basis of the tests undertaken, the sample<s> of the below product has been tested by an accredited 3rd party laboratory in accordance to the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

This document can be used in support of a claim in meeting relevant <EU > legislation and mandatory Conformity Marking. And in accordance with EU / UK law, the claim is the sole obligation of the Manufacturer/ Importer.

Applicant Name & Address:	SHENZHEN POWEROAK NEWENER CO., LTD. F19, BLD No.1, Kaidaer, Tongsha Rd No.168, Xili Street, Nanshan, Shenzhen, China.
Product Description:	Energy storage system
Ratings & Principle Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	EP2000
Brand Names:	BLUETTI
Specification<s>/Standards:	Safety requirements for power electronic converter systems and equipment Part 1: General / IEC 62477-1:2022, EN IEC 62477-1:2023
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch. Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China
Date of Tests:	13 July 2024 – 20 January 2025
Test Report Number(s):	240612096GZU-008, 10 March 2025
Additional information in Appendix.	



Signature

Name: Elly Han
Position: Project Manager
Date: 10 March 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 240612096GZU -VOC002.

Ratings & Principle Characteristics:

PV Ratings:
Max. PV Input Power: 30000W;
Max. PV Input Voltage: 1000 d.c.V;
MPPT Operating Voltage Range: 160 – 850 d.c.V;
Rated PV Input Current: 15 d.c.A *4;
Max. short-circuit current: 20 d.c.A *4;
Max. Inverter Backfeed Current to Array: 0.005 d.c.mA
Battery rating:
Battery type: LiFePO4;
Battery voltage range: 160 – 800 d.c.V;
Battery Max. Charging Current: 60 d.c.A;
Battery Max. Discharging Current: 60 d.c.A
Grid:
Rated Grid Voltage: 230/400 a.c.V, 3L/N/PE
Rated Grid Frequency: 50 Hz
Max. Power from Grid: 40000 VA
Max. Current from Grid: 60 a.c.A
Rated Power Output to Grid: 20000 VA
Rated Current Output to Grid: 29 a.c.A
Power Factor Range: -0.8~0.8
Back-up:
Rated Voltage: 230/400 a.c.V, 3L/N/PE
Rated Frequency: 50 Hz
Rated Output Power: 20000 VA
Rated Output Current: 29 a.c.A.
Power Factor Range: -0.8~0.8
General Parameters:
Ingress Protection: IP65
Temperature range: -20°C ~ 60 °C (Derating Above 45°C);
Protection class: Class I
Overvoltage Category: PV(II), AC(III)
The Software version: 503002
The Hardware version: EP2000_M1 V9.0\ES203_M2 V7.0\EP2000_M3 V9.0\EP2000_M4 V9.0 \EP2000_U1 V8.0 \ES203_A3 V3.0 \EP2000_A1 V3.0

Elly Han

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