



**BUREAU
VERITAS**

Certificate of compliance

Applicant: **Anker Innovations Limited**
Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road
Central and Western District
HONG KONG

Product: **Photovoltaic (PV) and battery inverter**

Model: **X1-H5K-T**
X1-H8K-T
X1-H10K-T
X1-H12K-T

Use in accordance with regulations:

The Inverter(s) with automatic network monitoring and system protection unit with three-phase grid monitoring according to VSE NA/EEA-NE7 - CH 2020 for systems with a three-phase parallel feed-in via inverters into the public mains supply. The automatic network monitoring and system protection unit is an integral part of the inverter(s) listed above. This serves as a replacement for the disconnection device with insulating function, which the distribution network provider can access at any time.

Applied rules and standards:

VSE NA/EEA-NE7 – CH 2020 Type A2 (>800W to ≤250kW non-synchronous and others)

Grid connection for power generation plants to the low-voltage grid
Technical requirements for connection and parallel operation in NE7
5.2 Frequency and voltage ranges
5.3 Reactive power control (static grid support)
5.4 Active power control - P(U) characteristic curve
5.7 Dynamic network support and voltage-time behaviour in u(t) characteristics
5.8 Frequency response
6.2 Connection conditions / synchronisation
7.3 Section switch
7.4 Mains and system protection (NS-protection)
7.5 Interfaces, control, regulation and measurement

DIN VDE V 0124-100:2020 (5.5.2.1 Functional safety of network and system protection)

Grid integration of generator plants - Low-voltage - Test requirements for generator units to be connected to and operated in parallel with low-voltage distribution networks

Zum Zeitpunkt der Ausstellung dieses Zertifikats entspricht das oben aufgeführte repräsentative Produkt den angegebenen Regeln und Normen.

Report number: **HC2408020114GC02**

Certification Program: **NSOP-0032-DEU-ZE-V10**

Certificate number: **U24-0956**

Date of issue: **2024-09-18**

Certification body



Certification body Bureau Veritas Consumer Products Services Germany GmbH accredited according to DIN EN ISO/IEC 17065

Testing laboratory accredited according to DIN EN ISO/IEC 17025

A partial representation of the certificate requires the written approval of Bureau Veritas Consumer Products Services Germany GmbH