



# CERTIFICATE

of conformity with the following European Directives

**Low Voltage Directive 2014/35/EU**

This certifies that below described products of the applicant:

**Shenzhen Sinexcel Electric Co., Ltd.**

Building 6, BaiWangXin High-tech, Industrial Park, Nanshan District, Shenzhen City, China

comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

**Product(s):** Bi-directional Storage Inverter

**Model type(s):** PWS1-160M-H-EX

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity. The CE marking may be affixed on the product if all relevant and effective Directives are complied with, under full responsibility of the holder.

Certification program: P31-VA-01 Rev. 03 / 02.25

Certification fundamental(s): EN 62109-1:2010; EN 62109-2:2011  
EN IEC 62477-1:2023

Registered no.: 44 799 25 406749 - 178

Report no.: 492013880.001

File no.: PVP12060/24E-001  
PVP12060/24E-002

TÜV NORD CERT GmbH  
Certification Body  
Energy Storage System

Essen, 2025-06-27

TÜV NORD CERT GmbH

Am TÜV 1, D-45307 Essen

[www.tuev-nord-cert.de](http://www.tuev-nord-cert.de) prodcert@tuev-nord.de

Please also pay attention to the information stated overleaf.

# ANNEX

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to Certificate registration no. 44 799 25 406749 - 178

**Description of product(s):**

Model	PWS1-160M-H-EX
DC Parameters	
Max. voltage [Vd.c.]	1500
DC voltage range [Vd.c.]	720-1500
Max. DC current [Ad.c.]	230
AC Parameters	
Rated power [kW]	160
Max. apparent power [kVA]	176
Rated AC voltage [Va.c.]	230, 3P4W+PE
Rated AC frequency [Hz]	50
Max. continuous AC current [Aa.c.]	255
Power factor	>0.99(1 Leading ~ 1 Lagging)
General information	
Protection degree	IP66
Protection class	I
OVC category	III(AC), II(DC)
Operating temperature range [°C]	-25 ~ 60 (derating at 50)
Altitude [m]	3000
Software Version	V1.0

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in the associated report.