

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

TCL PV Tech (Shenzhen) Co., Ltd.
Room 101, Building 1, No. 295, Guangming Avenue, Tangwei Community,
Fenghuang Street, Guangming District, Shenzhen, Guangdong,
P.R. China

is authorized to provide the product mentioned below with the mark as illustrated:

Description of product (details see Annex 2):

Crystalline Silicon Terrestrial Photovoltaic (PV) Modules



Valid from: 2023-12-19

Valid until: 2028-09-10

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	IEC / EN 61215-1:2016; IEC / EN 61215-1-1:2016; IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018; IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018; IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.
Registered No.:	44 780 23 406749 - 481
Manufacturer:	see Annex 1
Test Report No.:	492012860.001
File No.:	PVP11200/23P



TÜV NORD CERT GmbH
Certification Body
Consumer Products

Essen, 2023-12-19



Please also pay attention to the information stated overleaf.

Description of product(s):

Module types:	Double glass PV Modules with Half-cut 7" PERC Mono-crystalline Silicon Solar Cells: 144 cells: TCL-MlxxxDH182-72PP (xxx=530 - 555, in increment of 5) 132 cells: TCL-MlxxxDH182-66PP (xxx=485 - 505, in increment of 5) 120 cells: TCL-MlxxxDH182-60PP (xxx=440 - 460, in increment of 5) 108 cells: TCL-MRxxxDH182-54PP (xxx=395 - 415, in increment of 5) Remark: xxx indicates output power from the front side only.
Maximum system voltage:	1500V
Fuse rating:	25A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)
Module types:	Double glass PV Modules with Half-cut 7" Topcon Mono-crystalline Silicon Solar Cells: 144 cells: TCL-MlxxxDH182-72NT (xxx=540 - 575, in increment of 5) 132 cells: TCL-MlxxxDH182-66NT (xxx=495 - 525, in increment of 5) 120 cells: TCL-MlxxxDH182-60NT (xxx=450 - 480, in increment of 5) 108 cells: TCL-MRxxxDH182-54NT (xxx=405 - 430, in increment of 5) Remark: xxx indicates output power from the front side only.
Maximum system voltage:	1500V
Fuse rating:	25A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)



TÜV NORD CERT GmbH
Certification Body
Consumer Products

Module types:	Double glass PV Modules with Half-cut 8" PERC Mono-crystalline Silicon Solar Cells: 132 cells: TCL-MGxxxDH210-66PP (xxx=630 - 670, in increment of 5) 120 cells: TCL-MGxxxDH210-60PP (xxx=570 - 610, in increment of 5) 108 cells: TCL-MlxxxDH210-54PP (xxx=515 - 545, in increment of 5) 96 cells: TCL-MlxxxDH210-48PP (xxx=460 - 485, in increment of 5) Remark: xxx indicates output power from the front side only.
Maximum system voltage:	1500V
Fuse rating:	35A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



TÜV NORD CERT GmbH
Certification Body
Consumer Products

Certificate of conformity with the following European Directives

Registered No.:
44 799 23 406749 - 414

Low-Voltage Directive 2014/35/EU

Date of application	File reference	Test report No.	Date of issue	Place of issue
2023-11-27	PVP11200/23P	492012860.001	2023-12-19	Essen

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

Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Type designation: See Annex 1

Applicant: **TCL PV Tech (Shenzhen) Co., Ltd.**
Room 101, Building 1, No. 295, Guangming Avenue, Tangwei Community,
Fenghuang Street, Guangming District, Shenzhen, Guangdong, P.R. China

Standard(s): EN IEC 61730-1:2018; EN IEC 61730-1:2018/AC:2018-06
EN IEC 61730-2:2018; EN IEC 61730-2:2018/AC:2018-06

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.



Certification Body
Specialist Manager Consumer Products

TÜV NORD CERT GmbH
Am TÜV 1
D-45307 Essen
P.O.Box 10 32 61
D-45032 Essen
Fon: +49 (0)201 825-5120
Fax: +49 (0)201 825-3209
Email: prodcert@tuev-nord.de

Description of product(s):

Module types:

Double glass PV Modules with Half-cut 7" PERC Mono-crystalline Silicon Solar Cells:

144 cells: TCL-MlxxxDH182-72PP (xxx=530 - 555, in increment of 5)

132 cells: TCL-MlxxxDH182-66PP (xxx=485 - 505, in increment of 5)

120 cells: TCL-MlxxxDH182-60PP (xxx=440 - 460, in increment of 5)

108 cells: TCL-MRxxxDH182-54PP (xxx=395 - 415, in increment of 5)

Double glass PV Modules with Half-cut 7" Topcon Mono-crystalline Silicon Solar Cells:

144 cells: TCL-MlxxxDH182-72NT (xxx=540 - 575, in increment of 5)

132 cells: TCL-MlxxxDH182-66NT (xxx=495 - 525, in increment of 5)

120 cells: TCL-MlxxxDH182-60NT (xxx=450 - 480, in increment of 5)

108 cells: TCL-MRxxxDH182-54NT (xxx=405 - 430, in increment of 5)

Double glass PV Modules with Half-cut 8" PERC Mono-crystalline Silicon Solar Cells:

132 cells: TCL-MGxxxDH210-66PP (xxx=630 - 670, in increment of 5)

120 cells: TCL-MGxxxDH210-60PP (xxx=570 - 610, in increment of 5)

108 cells: TCL-MlxxxDH210-54PP (xxx=515 - 545, in increment of 5)

96 cells: TCL-MlxxxDH210-48PP (xxx=460 - 485, in increment of 5)

Remark: xxx indicates output power from the front side only.



TÜV NORD CERT GmbH
Certification Body
Consumer Products