



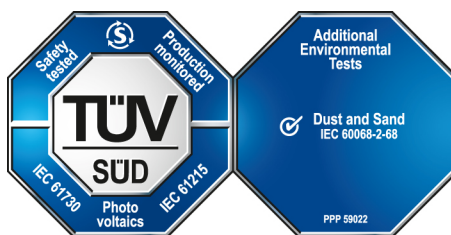
Product Service

CERTIFICATE

No. Z2 093675 0050 Rev. 01

Holder of Certificate: **GCL System Integration Technology Co., Ltd.**
Jianghai Economic Zone, Nanqiao Town
Fengxian District
201406 Shanghai
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**
Mono-Crystalline Silicon Photovoltaic Module

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704062124011-04

Valid until: 2029-06-26

Date, 2024-06-27

(Zhulin Zhang)

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ CERTIFICAT

CERTIFICATE

No. Z2 093675 0050 Rev. 01

Model(s):

GCL-NT12/66GDFxxx (xxx=660-710 in steps of 5W)
 GCL-NT12/60GDFxxx (xxx=600-645 in steps of 5W)
 GCL-NT10/72GDFxxx (xxx=550-595 in steps of 5W)
 GCL-NT10/60GDFxxx (xxx=460-495 in steps of 5W)
 GCL-NT10/54GDFxxx (xxx=415-445 in steps of 5W)
 GCL-NT10/78GDFxxx (xxx=595-645 in steps of 5W)
 GCL-NT10/72GDF-Jxxx (xxx=550-595 in steps of 5W)
 GCL-NT10/54GDF-Jxxx (xxx=415-445 in steps of 5W)
 GCL-NT10/72GDF-Bxxx (xxx=550-595 in steps of 5W)
 GCL-NT10/54GDF-Bxxx (xxx=415-445 in steps of 5W)
 GCL-NT10/60GTxxx (xxx=460-495 in steps of 5W)
 GCL-NT10/44GDF-Txxx (xxx=340-360 in steps of 5W)
 GCL-NH12/66GDFxxx (xxx=670-710 in steps of 5W)
 GCL-NH12/60GDFxxx (xxx=610-645 in steps of 5W)
 GCL-NT10R/72GDFxxx (xxx=570-625 in steps of 5W)
 GCL-NT10R/54GDFxxx (xxx=425-465 in steps of 5W)
 GCL-NT10R/54BGDFxxx (xxx=425-465 in steps of 5W)
 GCL-NT12R/66GDFxxx (xxx=580-625 in steps of 5W)
 GCL-NT12R/60GDFxxx (xxx=530-565 in steps of 5W)
 GCL-NT12R/54GDFxxx (xxx=475-510 in steps of 5W)
 GCL-M12/66GDFxxx (xxx=630-675 in steps of 5W)
 GCL-M12/60GDFxxx (xxx=575-610 in steps of 5W)
 GCL-M10/72GDFxxx (xxx=520-565 in steps of 5W)
 GCL-M10/60GDFxxx (xxx=450-460 in steps of 5W)
 GCL-M10/54GDFxxx (xxx=390-415 in steps of 5W)
 GCL-M10/72GDF-Jxxx (xxx=520-565 in steps of 5W)
 GCL-M10/54GDF-Jxxx (xxx=390-415 in steps of 5W)
 GCL-M10/72GDF-Bxxx (xxx=520-555 in steps of 5W)
 GCL-M10/54GDF-Bxxx (xxx=390-415 in steps of 5W)
 GCL-M10/60GTxxx (xxx=450-460 in steps of 5W)
 GCL-M10/44GDF-Txxx (xxx=320-345 in steps of 5W)
 xxx is standing for rated output power at STC

Parameters:

Safety Class:	Class II
Max. System Voltage:	1500V DC
Construction:	Framed, with Junction box, cable and connector.
Dust and Sand Test Method:	IEC 60068-2-68, LC1
Dust/sand type:	95% SiO ₂
Dust /sand concentration:	5 g/m ³
Testing Air Velocity:	20m/s
Test Duration:	4h/each side.

Tested according to:

IEC 61215-1:2016
 IEC 61215-1-1:2016
 IEC 61215-2:2016
 IEC 61730-1:2016
 IEC 61730-2:2016
 PPP 59022B:2021