

# CERTIFICATE

**TÜV NORD CERT GmbH**  
herewith declares that

**Kalyon Güneş Teknolojileri Üretim A.Ş.**  
Başkent Organize Sanayi Bölgesi Şadi Türk Bulvarı No:23  
Malıköy Sincan, Ankara, 06909  
Turkey

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: 2022-03-03

Valid until: 2027-03-02

Certification program: P12-VA-01 Rev. 17 09.20  
Certification fundamental(s): P12.4-AA-02 Rev. 00  
(IEC TS 62804-1:2015 modified)  
Remark: Test temperature: 85°C;  
Relative humidity: 85%;  
Test duration: 96 hours.  
Registered No.: 44 780 22 406749 - 039  
Manufacturer: see Annex 1  
Test Report No.: 492011944.001  
File No.: PVP08060/21P-04



**TÜV NORD CERT GmbH**  
**Certification Body**  
**Consumer Products**



Essen, 2022-03-03

Please also pay attention to the information stated overleaf.

**Manufacturer:**

Manufacturer 1: **Kalyon Güneş Teknolojileri Üretim A.Ş.**  
Başkent Organize Sanayi Bölgesi Şadi Türk Bulvarı No:23  
Malıköy Sincan, Ankara, 06909, Turkey

Factory inspection report no.: 862010507.002

Manufacturer 2: **Hunan Red Solar New Energy Science and Technology Co., Ltd.**  
No. 586, West Tongzipo Road, High-tech Development Zone  
Changsha City, Hunan Province, 410205, P.R. China

Factory inspection report no.: 862010414.003

**Remark:**

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.



**TÜV NORD CERT GmbH**  
**Certification Body**  
**Consumer Products**

**Description of product(s):**

Module types:	<b>Double Glass PV Modules with 7" Half-cut Mono p-type Bifacial Solar Cells:</b> 144 cells: KY-xxxB-72H-GF (xxx = 510-535, in increment of 5) 120 cells: KY-xxxB-60H-GF (xxx = 425-445, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	25A
Application class:	Class A
Electrical protection class:	Class II

**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**