

Hi-MO 5m

LR5-72HPH 525~550M

- Based on M10-182mm wafer, best choice for ultra-large power plants
- Advanced module technology delivers superior module efficiency
 - M10 Gallium-doped Wafer • Smart Soldering • 9-busbar Half-cut Cell
- Excellent outdoor power generation performance
- High module quality ensures long-term reliability



12-year Warranty for
Materials and Processing



25-year Warranty for Extra
Linear Power Output

Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730

ISO 9001:2008: ISO Quality Management System

ISO 14001: 2004: ISO Environment Management System

TS62941: Guideline for module design qualification and type approval

OHSAS 18001: 2007 Occupational Health and Safety

LONGi



21.5%
MAX MODULE
EFFICIENCY

0~+5W
POWER
TOLERANCE

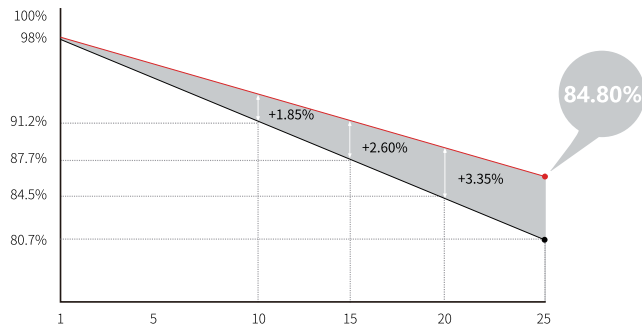
<2%
FIRST YEAR
POWER DEGRADATION

0.55%
YEAR 2-25
POWER DEGRADATION

HALF-CELL
Lower operating temperature

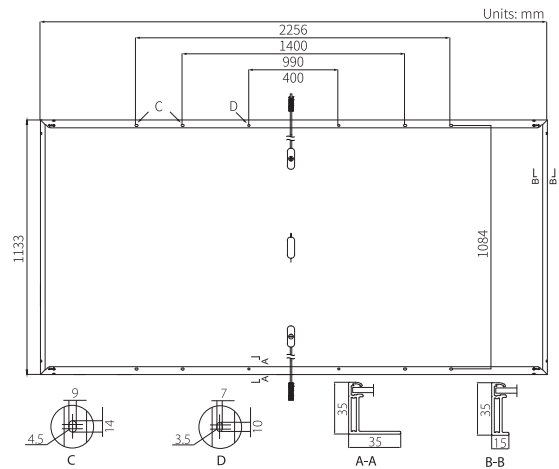
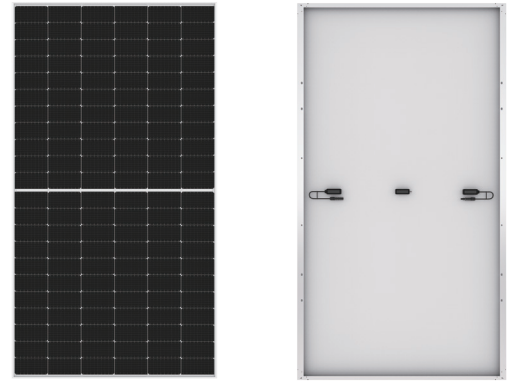
Additional Value

25-Year Power Warranty



Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68, three diodes
Output Cable	4mm ² , positive 400 / negative 200mm length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	27.2kg
Dimension	2256×1133×35mm
Packaging	31pcs per pallet / 155pcs per 20' GP / 620pcs per 40' HC



Electrical Characteristics

STC : AM1.5 1000W/m² 25°C

Test uncertainty for Pmax: ±3%

Power Class	525	530	535	540	545	550
Maximum Power (Pmax/W)	525	530	535	540	545	550
Open Circuit Voltage (Voc/V)	49.05	49.20	49.35	49.50	49.65	49.80
Short Circuit Current (Isc/A)	13.65	13.71	13.78	13.85	13.92	13.98
Voltage at Maximum Power (Vmp/V)	41.20	41.35	41.50	41.65	41.80	41.95
Current at Maximum Power (Imp/A)	12.75	12.82	12.90	12.97	13.04	13.12
Module Efficiency(%)	20.5	20.7	20.9	21.1	21.3	21.5

Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ +5 W
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	UL type 1 or 2

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Temperature Ratings (STC)

Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of Pmax	-0.350%/°C

HT Series Datasheet



Technical Data	GW73KLV-HT	GW100K-HT	GW110K-HT	GW120K-HT	GW136K-HTH
Input					
Max. DC Input Power (kW)	-	150	165	180	205
Max. Input Voltage (V)	1100	1100	1100	1100	1100
MPPT Operating Voltage Range (V)	180~1000	180~1000	180~1000	180~1000	180~1000
Start-up Voltage (V)	200	200	200	200	200
Nominal Input Voltage (V)	600	600	600	600	750
Max. Input Current per MPPT (A)	12*30A	10*30A	12*30A	12*30A	12*30A
Max. Short Circuit Current per MPPT (A)	12*45A	10*45A	12*45A	12*45A	12*45A
Number of MPPT	12	10	12	12	12
Number of Strings per MPPT	2	2	2	2	2
Output					
Nominal Output Power (kW)	73	100	110	120	136
Max. AC Active Power (kW)	73@220V; 69@208V; 75@230V	110	121	132	150
Max. AC Apparent Power (kVA)	75	110	121	132	150
Nominal Output Voltage (V)	220, 3L/N/PE or 3L/PE	400, 3L/N/PE or 3L/PE			500V, 3L/PE
Nominal AC Grid Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	191.3	167	175.5	191.3	173.2A
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Max. Total Harmonic Distortion	<3%	<3%	<3%	<3%	<3%
Efficiency					
Max. Efficiency	98.4%	98.6%	98.6%	98.6%	99.0%
European Efficiency	98.1%	98.3%	98.3%	98.3%	98.5%
Protection					
PV String Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
Internal Humidity Detection	Integrated	Integrated	Integrated	Integrated	Integrated
DC Insulation Resistance Detection	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated
DC Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Arrester	Type II (Type I optional)				
AC Surge Arrester	Type II (Type I optional)				
AC Overcurrent Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated
DC Arc Fault Circuit Interrupter	Optional	Optional	Optional	Optional	Optional
Emergency Power off	-	Optional	Optional	Optional	Optional
PID Recovery	Optional	Optional	Optional	Optional	Optional
General Data					
Operating Temperature Range (°C)	-30 ~ 60	-30~60	-30~60	-30~60	-30~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%
Max. Operating Altitude (m)	5000 (>4000 derating)	≤4000	≤4000	≤4000	≤4000
Cooling Method	Smart Fan Cooling	Fan Cooling	Fan Cooling	Fan Cooling	Fan Cooling
Display	LED (LCD Optional), Bluetooth + APP	LED(Standard), LCD(Optional), Bluetooth+APP			
Communication	RS485 or PLC or WiFi	RS485 or PLC or WiFi	RS485 or PLC or WiFi	RS485 or PLC or WiFi	RS485 or PLC or WiFi
Weight (Kg)	98.5	93.5	98.5	98.5	98.5
Dimensions (W × H × D mm)	1005 × 676 × 340	1008 × 678 × 343	1008 × 678 × 343	1008 × 678 × 343	1008 × 678 × 343
DC Connector	MC4 (Max. 6 mm ²)	-	-	-	-
AC Connector	OT / DT terminal (Max. 300 mm ²)	-	-	-	-
Ingress Protection Rating	IP66	IP66	IP66	IP66	IP66
Night Self Consumption (W)	<2	<2	<2	<2	<2
Topology	Transformerless				

*: Please visit GoodWe website for the latest certificates.

GOODWE Limited Warranty for Inverter System **(for Europe)**

OVERVIEW

GoodWe Technologies Co.,Ltd (hereinafter referred to as GOODWE) warrants that, subject to the exclusions and limitations set out below, the inverter and accessory products GOODWE provides shall be in good working order during the period of

1. 5 years *limited warranty for on-grid inverters including: NS, SS, XS, XS Plus+, DNS, DS, DSS, DT, SDT, SDT G2, SDT G2 Plus+, LVDT, MS, SMT, LVSMT, MT, MT G2, LVMT, HT series, and hybrid inverters including: ES, ES G2, ESA, EM, ET, ET Plus+, ET 15k-30k, EH, EH Plus+, EHR, BH, BP, BT, SBP, SBP G2, ETC and BTC series.
2. 2 years limited warranty for accessory products including WiFi Module, LAN Module, WiFi/LAN Kit, 4G Module, Homekit, SEC, SCB, EzMeter, C&I Meter, Smart Meter, EzConverter, EzLogger, EzLogger Pro, and EzLink series.

starting from the earlier one of the following two dates:

1. The date on which the product was first installed.
2. 6 months after the date of production.

HOW TO MAKE A CLAIM UNDER THE GOODWE LIMITED WARRANTY

If the claimant wants to make a warranty claim they should contact the local distributor where the product was purchased, or the installer who installed the inverter. If the claimant was unable to obtain service from them, or was NOT satisfied with their service, the claimant can escalate their service request by creating a service ticket and make a claim to GOODWE via <https://en.goodwe.com/warranty.asp>

Please note, in order to deliver a friendly and timely service, GOODWE cooperates with several distributors and installers all over the world. As such, please treat them as the default service channel of GOODWE and use these service channels to make your warranty claim; GOODWE will support and audit service channels to ensure good service to customers.

Please have the following information to hand as it may be required when contacting the local distributor.

1. Contact information of claimant, including name of the person, name of the company, phone number, email address and shipment address.
2. Information regarding all defective product(s), including product(s) model(s), serial number(s), installation date and failure date. Any claims shall be made within one month of failure date to be considered under the warranty.
3. Installation information, including brand, model, and number of PV panels; if the defective product is an energy storage system, the brand and model of batteries are also needed.
4. Error message on LCD screen (if applicable) and additional information regarding the fault/error.
5. Description of actions taken before the failure and detailed information of previous claims (if applicable).

GOODWE may arrange an on-site inspection to find out the root of the faults. The claimant is responsible for granting access, making time, and ensuring the safety of the inspection by a technician from GOODWE or an authorized third-party company. GOODWE reserves the right not to enter the site should the GOODWE technician consider it unsafe to do so.

REMEDY

If a claim is received within the warranty period and a fault with the product is discovered that is covered under the warranty, GOODWE may, at its sole discretion, elect to

1. Fix the issue by changing configurations or updating software.
2. Repair the product by replacing with spare parts.
3. Exchange the product for a product that is brand new or refurbished but at least functionally equivalent to the original product, or an upgraded model which is either functionally equivalent or functionally superior to the original product. If the device is replaced within the warranty period, the remaining warranty period will be automatically transferred to the replaced unit. If the remaining warranty period is less than one year after the replacement, it will be extended to a full one-year warranty. For every single inverter exchange case, the claimant must gather the necessary information and send the RMA report (by following GOODWE's RMA template) to GOODWE to confirm the RMA request, prior to the inverter being exchanged.
4. If it is proven that the problem was caused by faulty installation, GOODWE reserves the right to contact the original installer and request that they provide a solution to fix the issue before GOODWE's intervention and may charge the subsequent cost to the original installer if they fail to provide a proper solution to fix this issue.

All parts of the product or other equipment that GOODWE replace shall become GOODWE's property. If the product is found not to be covered by this Limited Warranty, GOODWE reserves the right to charge a handling fee. When repairing or replacing the product, GOODWE may use products that are new, equivalent to new or refurbished.

WHAT IS COVERED AND NOT COVERED?

Unless a special/unique agreement exists between GOODWE and the customer, the GOODWE limited warranty covers only the cost of hardware material required to get the device functioning again.

Transportation costs: in certain areas, GOODWE will cover the outbound and inbound transportation costs by using normal ground transportation up to a total amount (please contact GOODWE for the rate) per case. The claimant must cover any excess costs or any costs generated by using another method of transportation. In some cases, the claimant needs to organize the return of the allegedly defective battery system to GOODWE and should confirm with GOODWE for the shipment schedule in advance. As products need to be packaged in a reasonable condition, GOODWE suggests using packaging material that is the same size as the product package at the time of purchase. If the allegedly defective product is not returned within 4 weeks of the replacement unit being received by the claimant, or there is no damage found after checking the returned product, GOODWE will invoice the claimant for the replacement unit in addition to the delivery and associated service charges.

On-site service labor costs: in some areas or business cases, to encourage the claimant using the installer's facilities to fix the problem, GOODWE may, at its sole discretion, decide to offer a rebate (please contact GOODWE for the rate) to the claimant or local installer/electrician to cover the on-site service labor under the following conditions:

1. The rebate will apply ONLY to the party who has carried out on-site service for the allegedly defective product.
2. The allegedly defective product has been returned to GOODWE and deemed to have workmanship or material defects upon testing and inspection by GOODWE.
3. The claimant must contact GOODWE prior to the site visit for authorization. If the site is a remote area or if the installer is unable to be on site, GOODWE recommends the claimant find a local electrician to carry out the on-site service.
4. The service rebate must be claimed within 2 months of the date upon which the on-site service is authorized by GOODWE.

All other costs including but not limited to compensation from direct or indirect damages arising from the defective device or other facilities of the PV system, or loss of electrical power generated during the product downtime are NOT covered by GOODWE limited warranty.

WARRANTY EXCEPTIONS

The following circumstances may cause device defects, but are NOT covered by GOODWE's limited warranty.

1. Normal wear and tear which does NOT affect the major function of the product (e.g. color fading, scratches on top cover/machine body).
2. Any defects that occur when the limited warranty period has expired (excluding additional agreements of warranty extension).
3. Faults or damages due to faulty installations or operations, maintenance carried out against GOODWE instructions by an unauthorized installer, e.g. insufficient isolation caused by broken DC cable.
4. Disassembly, repair or modifications performed by a third-party company/person not authorized by GOODWE. Product modifications, design changes or part replacements not approved by GOODWE.
5. Faults or damage due to unforeseen circumstances, man-made factors, or examples of force majeure including but not limited to stormy weather, flooding, overvoltage, pests, inappropriate handling, misuse, neglect, fire, water, lightning or other acts of nature.
6. For the products equipped with the SPD module, if lightening is beyond the SPD's protection range, it will not be able to protect the inverter and the GOODWE limited warranty shall be void.
7. Vandalism, engraving, labels, irreversible marking or contamination or theft.
8. Usage which does not comply with the safety regulations (VDE, IEC, etc.).
9. Faults or damage caused by other factors not related to product quality issues.
10. Any rust that appears on the device's enclosure caused by harsh environmental conditions. Faults or damage caused by exposure to sea coasts/saltwater or other aggressive atmospheres or environmental conditions without GOODWE's written confirmation/approval prior to the installation.
11. Accidents and external influences.
12. Combining GOODWE's storage product with a lead acid battery pack or any other lithium battery pack which is out of our list of compatible batteries. Please refer to the link below for a detailed list of compatible battery packs.
https://en.goodwe.com/Ftp/EN/Downloads/User%20Manual/GW_Approved%20Battery%20Options%20Statement-EN.pdf
13. Unless a special agreement exists between GOODWE and the battery manufacturer, for all the battery packs NOT listed in our 'APPROVED BATTERY OPTIONS STATEMENT', but which have completed the compatibility test with the GOODWE inverter, it is the responsibility of installer/system integrator to check the battery safety as well as system performance and reliability. GoodWe shall guarantee the performance of the inverter under the normal working conditions within the limited warranty term and provide limited technical support if applicable. However, GoodWe shall assume no liability for system malfunctions and any incurred loss or damages whatsoever.
14. Product failure is not reported to GOODWE within one month of appearance.

15. Please kindly notice that if any GOODWE products are used for the purpose of an anti-reverse solution, the manual of the anti-reverse products must be read in advance to ensure the operating principle of anti-reverse has been fully understood. It shall be thoroughly understood that in the process of actual use, a tiny amount of power may still be sent to the power grid, which cannot be completely avoided by the current technical solution of GOODWE anti-reverse products. Any photovoltaic plants in which GOODWE products have been used must be reported to the competent local authority with the corresponding jurisdiction. Should the photovoltaic plants fail to report such use, GOODWE shall not be liable for any and all risks and penalties arising from or in connection to the unreported or unauthorized use of GOODWE products. In the event that the photovoltaic plants have reported the use of GOODWE products, the liability of GOODWE shall not exceed the total amount of the Purchase Order of the relevant products.
16. For the purpose of fixing firmware vulnerabilities and eliminating potential risks, GOODWE is going to provide service of remote upgrades of firmware to improve the performance of our products. GOODWE strongly recommends the customer connect the GOODWE products to our Smart Energy Management System (SEMS) portal or provide us with access to the remote upgrade path of the third-party's monitoring system. Please kindly notice that, in the event that GOODWE is unable to perform the remote upgrade due to the customer's failure to provide GOODWE with the aforementioned connection or access, the customer shall be solely liable for the adverse or negative consequences concerning such vulnerabilities and risks and GOODWE Standard Limited Warranty may not apply.

OUT-OF WARRANTY-CASE

Any defects that occur after the expiry of the warranty period, or which occur within the warranty period but which are listed in the warranty exceptions above, are known by GOODWE as out-of-warranty cases. For all out-of-warranty cases, GOODWE may charge an on-site service fee, a parts fee, labor costs and a logistics fee to customer, including any/all of:

1. On-site service fee: cost of travel and time for the technician to deliver on-site service and labor cost for the technician, who is repairing, performing maintenance on, installing (hardware or software) and debugging the faulty product.
2. Parts/materials fee: cost of replacement parts/materials (including any shipping/admin fee that may apply).
3. Logistics fee: cost of delivery and any other expenses incurred when defective products are sent from the user to GOODWE or/and repaired products are sent from GOODWE to the user.

WARRANTY EXTENSION OPTIONS

On top of the 5 years limited warranty which comes with the inverter products by default, GOODWE offers warranty extension options for all inverters which were purchased through authorized distribution channels. A warranty extension of 5, 10, 15 or 20 years of limited warranty extension (some of them may NOT be available to hybrid models) can be purchased from GOODWE's authorized distributors or our online purchase channel (please visit <https://warranty.semsportal.com/>) for any inverter by following conditions:

1. For all the hybrid inverter and on-grid inverter which is 25KW and above: within 12 months from inverter production date (or 6 months from its first installation date).
2. For the on-grid inverter which is below 25KW: within 30 months from inverter production date (or 6 months from its first installation date).

Furthermore, the warranty of all inverter products which meet all of the following conditions simultaneously will be automatically extended to 10 years limited warranty:

1. Inverter products of the XS, XS Plus+, DNS, SDT, SDT G2, SDT G2 Plus+ and MS series.
2. Inverter rated power should not exceed 20 KW.
3. Inverter should be connected to GOODWE SEMS portal and power generation data should have been successfully uploaded to GOODWE server.
4. Inverter has 5 years standard warranty by default.
5. Inverter installed by an installer qualified as a GOODWE PLUS+ installer in one of the EU countries, UK, Switzerland, or Norway.

Unless a special/unique agreement exists between GOODWE and the customer, the extended warranty covers only the cost of hardware material required to get the device functioning again. It excludes any inbound/outbound transportation costs or labor costs of replacement/on-site service.

All other costs including but not limited to compensation from direct or indirect damages arising from the defective device or other facilities of the PV system, or loss of electrical power generated during the product downtime are NOT covered by GOODWE's warranty extension options.

GEOGRAPHICAL SCOPE

The GOODWE Limited warranty terms and conditions only apply for the devices which are originally purchased from channels authorized by GOODWE and installed in the destination defined within the European Union countries, UK, Norway and Switzerland, unless there are specially stipulated warranty terms and conditions between GOODWE and the direct purchaser. For any units sold for one country/region but installed in another country/region, the warranty will become invalid if GOODWE does not provide written confirmation/approval

prior to the installation.

LIMITATION OF GOODWE's LIABILITY

This limited warranty applies to products sold and installed after July, 2020. It is the end user's sole and exclusive remedy against GOODWE and GOODWE's sole and exclusive liability in respect of defects in product. This limited warranty replaces all other GOODWE warranties and liabilities, whether oral, written, (non-mandatory) statutory, contractual, in tort or otherwise, including, without limitation, and were permitted by applicable law, any implied conditions, warranties or other terms as regards satisfactory quality or fitness for purpose. However, this limited warranty shall neither exclude nor limit any of your legal (statutory) rights under the applicable national laws. To the extent permitted by applicable law(s), GOODWE does not assume any liability for any loss of, damage to or corruption of data, for any loss of profit, loss of use of products or functionality, loss of business, loss of contracts, loss of revenue or loss of anticipated savings, increased costs or expenses or for any indirect loss or damage, consequential loss or damage or special loss or damage, or punitive loss or damage. To the extent permitted by applicable law, GOODWE's liability shall be limited to the purchase value of the product. The above limitations shall not apply in case of gross negligence or intentional misconduct of GOODWE or in case of death or personal injury resulting from GOODWE's proven negligence.

*Limited warranty is a basic warranty promise from GOODWE to the end users. In certain countries/regions, end users may receive an additional warranty promise (should be at least equivalent to the manufacturer's warranty) which is provided by GOODWE's local distributor; should any claims arise in this respect, please direct them to the local distributor. Please note this GOODWE limited warranty statement may NOT be the latest version, please refer to the latest version of the GOODWE limited warranty by visiting our global website via <https://emea.goodwe.com/warranty>.

EU Declaration of Conformity

EN

English

We [GoodWe Technologies Co. Ltd.], declare under our sole responsibility that the products referred to below,

Product: Hybrid inverter:

- GW50K-ETC

are in conformity with the Union harmonisation legislation.

The inverter models equipped with the wireless communication modules Wi-Fi Kit/Wi-Fi Box/4G-Kit on the European market are in conformity with the following Union harmonisation legislation and directives:

- **Radio Equipment Directive 2014/53/EU (RED)**
- **Restrictions of Hazardous Substances Directive 2011/65/EU and (EU) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

The inverter models without wireless communication function on the European market are in conformity with the following Union harmonisation legislation and directives:

- **Electromagnetic compatibility Directive 2014/30/EU (EMC)**
- **Electrical Apparatus Low Voltage Directive 2014/35/EU (LVD)**
- **Restrictions of Hazardous Substances Directive 2011/65/EU and (EU) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



marked date: date: 2021-09-03

Documentation demonstrating compliance with the above Directives and standards is available for inspection.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13


Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

EU-Konformitätserklärung

DE

Deutsch
German

[GoodWe Technologies Co. Ltd.] erklärt hiermit in alleiniger Verantwortung, dass die nachstehend genannten Produkte,
Produkt: Hybrid-Wechselrichter:

- GW50K-ETC

die einschlägige Harmonisierungsrechtsvorschriften erfüllen.

Die Wechselrichtermodelle in Kombination mit Kommunikationsmodulen für drahtlose Kommunikation (Wi-Fi Kit/Wi-Fi Box/4G-Kit) auf dem europäischen Markt erfüllen die folgenden harmonisierten Richtlinien und Anforderungen:

- **Richtlinie für Funkanlagen 2014/53/EU (RED)**
- **Beschränkung der Verwendung gefährlicher Stoffe in Elektro- und Elektronikgeräten 2011/65/EU sowie 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Die Wechselrichtermodelle ohne drahtlose Kommunikationsfunktion auf dem europäischen Markt erfüllen die folgenden harmonisierten Richtlinien und Anforderungen:

- **Richtlinie zur elektromagnetischen Verträglichkeit 2014/30/EU (EMC)**
- **Richtlinie für elektrische Betriebsmittel in der Niederspannung 2014/35/EU (LVD)**
- **Beschränkung der Verwendung gefährlicher Stoffe in Elektro- und Elektronikgeräten 2011/65/EU sowie 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



Kennzeichnung seit: 2021-09-03

Unterlagen, aus denen die Einhaltung der oben genannten Richtlinien und Normen hervor geht, stehen zur Einsicht zur Verfügung.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13


Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

Declaración UE de conformidad

ES

Español
Spanish

[GoodWe Technologies Co. Ltd.], declara bajo nuestra exclusiva responsabilidad que los productos mencionados a continuación,

Producto: Inversor Híbrido

- GW50K-ETC

se ajustan a la legislación de armonización de la Unión.

Los modelos de inversores equipados con los módulos de comunicación inalámbrica Wi-Fi Kit/Wi-Fi Box/4G-Kit del mercado europeo son conformes a las siguientes legislaciones y directivas de armonización de la Unión:

- **Directiva de equipos radioeléctricos 2014/53/EU (RED)**
- **Directiva sobre sustancias peligrosas 2011/65/EU y (EU) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Los modelos de inversores sin función de comunicación inalámbrica en el mercado europeo cumplen las siguientes directivas y requisitos:

- **Directiva de compatibilidad electromagnética 2014/30/EU (EMC)**
- **Directiva de baja tensión 2014/35/EU (LVD)**
- **Directiva sobre sustancias peligrosas 2011/65/EU y (EU) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



fecha de marcado: 2021-09-03.

La documentación que demuestra el cumplimiento de las directivas y normas anteriores está disponible para su inspección.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13



Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

Dichiarazione di conformità UE

IT

Italiano
Italian

[GoodWe Technologies Co. Ltd.], dichiara sotto la propria esclusiva responsabilità che i prodotti di cui sotto,

Prodotto: Invertitore ibrido

- GW50K-ETC

sono conformi alle normative di armonizzazione dell'Unione.

I modelli di inverter dotati dei moduli di comunicazione wireless Wi-Fi Kit/Wi-Fi Box/4G-Kit presenti sul mercato europeo sono conformi alle seguenti normative e direttive di armonizzazione dell'Unione:

- **Direttiva Apparecchiature radio 2014/53/EU (RED)**
- **Direttiva delle sostanze pericolosa 2011/65/UE e (UE) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

I modelli di inverter senza funzione di comunicazione wireless nel mercato europeo soddisfano le seguenti direttive e requisiti:

- **Direttiva compatibilità elettromagnetica 2014/30/EU (EMC)**
- **Direttiva Bassa tensione 2014/35/EU (LVD)**
- **Direttiva delle sostanze pericolose 2011/65/UE e (UE) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



data contrassegnata: 2021-09-03.

La documentazione che dimostra la conformità alle direttive e alle norme di cui sopra è disponibile per la consultazione.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13


Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

Déclaration UE de conformité

FRFrançais
French

[GoodWe Technologies Co. Ltd.], déclare sous sa seule responsabilité que les produits mentionnés ci-dessous,

Produit : Onduleur hybride

- GW50K-ETC

sont conformes législation d'harmonisation de l'Union Européenne.

Les modèles d'onduleurs équipés des modules de communication sans fil Wi-Fi Kit/Wi-Fi Box/4G-Kit sur le marché européen sont conformes à la législation et aux directives d'harmonisation de l'Union suivantes :

- **Directive équipements radioélectriques 2014/53/UE (RED)**
- **Directive substances dangereuses 2011/65/EU et (EU) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Les modèles d'onduleurs sans fonction de communication sans fil sur le marché européen répondent aux directives et exigences suivantes :

- **Directive compatibilité électromagnétique 2014/30/EU (EMC)**
- **Directive basse tension 2014/35/EU (LVD)**
- **Directive substances dangereuses 2011/65/UE e (UE) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



Date de marquage: 2021-09-03.

La documentation démontrant la conformité aux directives et aux normes ci-dessus est disponible en cas d'inspection.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13

Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

EU-conformiteitsverklaring

NL

Nederlands
Dutch

[GoodWe Technologies Co. Ltd.], verklaart onder onze eigen verantwoordelijkheid dat de producten waarnaar hieronder wordt verwezen,

Product: Hybride omvormer

- GW50K-ETC

in overeenstemming zijn met de harmonisatiewetgeving van de Unie.

De omvormermodellen die op de Europese markt zijn uitgerust met de draadloze communicatiemodules Wi-Fi Kit/Wi-Fi Box/4G-Kit zijn in overeenstemming met de volgende harmonisatiewetgeving en richtlijnen van de Unie:

- Richtlijn radioapparatuur 2014/53/EU
- Richtlijn gevaarlijke stoffen 2011/65/EU en (EU) 2015/863 (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

De omvormermodellen zonder draadloze communicatiefunctie op de Europese markt voldoen aan de volgende richtlijnen en vereisten:

- Elektromagnetische compatibiliteit Richtlijn 2014/30/EU
- Laagspanningsrichtlijn elektrische apparaten 2014/35/EU
- Richtlijn gevaarlijke stoffen 2011/65/EU en (EU) 2015/863 (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



gemarkeerde datum: 2021-09-03.

Documentatie waaruit blijkt dat aan de bovenstaande richtlijnen en normen is voldaan, ligt ter inzage.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13

Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

Declaração de Conformidade UE

PT

Português
Portuguese

[GoodWe Technologies Co. Ltd.], declara sob nossa exclusiva responsabilidade que os produtos mencionados abaixo,

Produto: Inversor Híbrido

- GW50K-ETC

estão em conformidade com a legislação de harmonização da União.

Os modelos de inversores equipados com os módulos de comunicação sem fio Wi-Fi Kit/Wi-Fi Box/4G-Kit no mercado europeu estão em conformidade com a seguinte legislação e diretivas de harmonização da União:

- **Diretiva sobre equipamento de rádio 2014/53/EU (RED)**
- **Diretiva de Substâncias Perigosas 2011/65/EU and (EU) 2015/863 (ROHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Os modelos de inversores sem função de comunicação sem fio no mercado europeu atendem às seguintes diretivas e requisitos:

- **Diretiva de compatibilidade electromagnética 2014/30/EU (EMC)**
- **Diretiva de Baixa Tensão dos Aparelhos Eléctricos 2014/35/EU (LVD)**
- **Diretiva de Substâncias Perigosas 2011/65/EU and (EU) 2015/863 (ROHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



data marcada: 2021-09-03.

Está disponível documentação que demonstra a conformidade com as directivas e normas acima referidas para inspecção.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13

Tao Jiang
Safety Manager

[GoodWe Technologies Co. Ltd.]

Deklaracja zgodności UE

PL

Polski
Polish

[GoodWe Technologies Co. Ltd.] oświadcza na swoją wyłączną odpowiedzialność, że produkty, o których mowa poniżej,

Produkt: Inwerter hybrydowy

- GW50K-ETC

są zgodne z unijnym prawodawstwem harmonizacyjnym.

Modele falowników wyposażone w moduły komunikacji bezprzewodowej Wi-Fi Kit/Wi-Fi Box/4G-Kit dostępne na rynku europejskim są zgodne z następującymi unijnymi przepisami i dyrektywami harmonizacyjnymi:

- **Dyrektywa w sprawie urządzeń radiowych 2014/53/EU (RED)**
- **Dyrektywa o substancjach niebezpiecznych 2011/65/UE i (UE) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Modele falowników bez funkcji komunikacji bezprzewodowej przeznaczone na rynek europejski spełniają następujące dyrektywy i wymagania:

- **Kompatybilność elektromagnetyczna Dyrektywa 2014/30/EU (EMC)**
- **Aparatura elektryczna Dyrektywa niskonapięciowa 2014/35/EU (LVD)**
- **Dyrektywa o substancjach niebezpiecznych 2011/65/UE i (UE) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



data oznakowania: 2021-09-03.

Dokumentacja wykazująca zgodność z powyższymi dyrektywami i normami jest dostępna do wglądu.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13

Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

Δήλωση συμμόρφωσης ΕΕ

EL

Ελληνικά
Greek

Η εταιρεία [GoodWe Technologies Co. Ltd.], δηλώνει με αποκλειστική της ευθύνη πως τα παρακάτω προϊόντα

Προϊόντα: Υβριδικός μετατροπέας

- GW50K-ETC

Συμμορφώνονται με την νομοθεσία εναρμόνισης της Ένωσης.

Οι αντιστροφείς που είναι εξοπλισμένοι με τις ασύρματες μονάδες επικοινωνίας Wi-Fi Kit/Wi-Fi Box/4G-Kit στην Ευρωπαϊκή αγορά συμμορφώνονται με την ακόλουθη νομοθεσία και οδηγίες εναρμόνισης της Ένωσης:

- Οδηγία Ραδιοεξοπλισού 2014/53/EU (RED)
- Οδηγία για τους περιορισμούς επικίνδυνων ουσιών 2011/65/EU και (EU) 2015/863 (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Οι αντιστροφείς που δεν υποστηρίζουν λειτουργία ασύρματης επικοινωνίας στην Ευρωπαϊκή αγορά συμμορφώνονται με την ακόλουθη νομοθεσία και οδηγίες εναρμόνισης της Ένωσης :

- Οδηγία ηλεκτρομαγνητικής συμβατότητας 2014/30/EU (EMC)
- Οδηγία Χαμηλής τάσης για ηλεκτρικές συσκευές 2014/35/EU (LVD)
- Οδηγία για τους περιορισμούς επικίνδυνων ουσιών 2011/65/EU και (EU) 2015/863 (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



σημειωμένη ημερομηνία: 2021-09-03.

Διατίθεται προς επιθεώρηση η τεκμηρίωση που αποδεικνύει τη συμμόρφωση με τις παραπάνω οδηγίες και πρότυπα .

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13

Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

ЕС ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ

BG

Български
Bulgarian

[GoodWe Technologies Co. Ltd.], декларира на наша лична отговорност, че продуктите, посочени по-долу,

Продукт: Хибриден преобразувател

- GW50K-ETC

са в съответствие със законодателството на Съюза за хармонизация.

Моделите инвертори, оборудвани с безжичните комуникационни модули Wi-Fi Kit/Wi-Fi Box/4G-Kit на европейския пазар, са в съответствие със следното законодателство и директиви за хармонизация на Съюза:

- Директива за радиооборудването 2014/53/EU (RED)
- Директива за опасните вещества 2011/65/EC и (EC) 2015/863 (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Инверторните модели без функция за безжична комуникация на европейския пазар отговарят на следните директиви и изисквания:

- Директива за електромагнитна съвместимост 2014/30/EU (EMC)
- Директива за ниско напрежение на електрическите апарати 2014/35/EU (LVD)
- Директива за опасните вещества 2011/65/EC и (EC) 2015/863 (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



маркирана дата: 2021-09-03.

Документация, доказваща съответствието с горепосочените директиви и стандарти, е на разположение за проверка.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13

Tao Jiang
Safety Manager

[GoodWe Technologies Co. Ltd.]

Declaratia UE de Conformitate

RO

Română
Romanian

[GoodWe Technologies Co. Ltd.], declară pe propria noastră responsabilitate că produsele menționate mai jos,

Produs: Invertor hibrid

- GW50K-ETC

sunt conforme cu legislația de armonizare a Uniunii.

Modelele de invertoare echipate cu modulele de comunicație wireless Wi-Fi Kit/Wi-Fi Box/4G-Kit de pe piața europeană sunt conforme cu următoarele legislații și directive de armonizare a Uniunii:

- **Directiva privind echipamentele radio 2014/53 / UE (RED)**
- **Directiva privind substanțele periculoase 2011/65/UE și (UE) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Modelele de invertoare fără funcție de comunicare fără fir de pe piața europeană îndeplinesc următoarele directive și cerințe:

- **Directiva de compatibilitate electromagnetică 2014/30 / UE (EMC)**
- **Directiva 2014/35 / UE (LVD) privind dispozitivele electrice de joasă tensiune**
- **Directiva privind substanțele periculoase 2011/65/UE și (UE) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



data marcată: 2021-09-03.

Documentația care demonstrează conformitatea cu directivele și standardele de mai sus este disponibilă pentru inspecție.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13

Tao Jiang 

Safety Manager

[GoodWe Technologies Co. Ltd.]

EU megfelelőségi nyilatkozat

HU

Magyar
Hungarian

A [GoodWe Technologies Co. Ltd.] kizárólagos felelősségünkre kijelenti, hogy az alábbiakban említett termékek,

Termék: Hibrid inverter

- GW50K-ETC

összhangban vannak az uniós harmonizációs jogszabályokkal.

Az európai piacon a Wi-Fi Kit/Wi-Fi Box/4G-Kit vezeték nélküli kommunikációs modulokkal felszerelt invertermodellek megfelelnek a következő uniós harmonizációs jogszabályoknak és irányelveknek:

- Rádióberendezésekről szóló irányelv 2014/53/EU (RED)
- Veszélyes anyagokról szóló 2011/65/EU és (EU) 2015/863 irányelv (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

A vezeték nélküli kommunikációs funkcióval nem rendelkező inverter modellek az európai piacon megfelelnek a következő irányelveknek és követelményeknek:

- Elektromágneses összeférhetőségi irányelv 2014/30/EU (EMC)
- Elektromos készülékekről szóló kisfeszültségű irányelv 2014/35/EU (LVD)
- Veszélyes anyagokról szóló 2011/65/EU és (EU) 2015/863 irányelv (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



megjelölt dátum: 2021-09-03.

A fenti irányelveknek és szabványoknak való megfelelést igazoló dokumentáció ellenőrzésre rendelkezésre áll.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13

Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

Eu Prohlášení o shodě

CS

Čeština
Czech

[GoodWe Technologies Co. Ltd.], na svou výhradní odpovědnost prohlašuje, že níže uvedené produkty,

Produkt: Hybridní invertor

- GW50K-ETC

jsou v souladu s harmonizačními právními předpisy Unie.

Modely střídačů vybavené bezdrátovými komunikačními moduly Wi-Fi Kit/Wi-Fi Box/4G-Kit na evropském trhu jsou v souladu s následující harmonizační legislativou a směrnicemi Unie:

- **Směrnice o rádiových zařízeních 2014/53/EU (RED)**
- **Směrnice o nebezpečných látkách 2011/65/EU a (EU) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Modely střídačů bez funkce bezdrátové komunikace na evropském trhu splňují následující směrnice a požadavky:

- **Směrnice o elektromagnetické kompatibilitě 2014/30/EU (EMC)**
- **Směrnice o elektrických zařízeních nízkého napětí 2014/35/EU (LVD)**
- **Směrnice o nebezpečných látkách 2011/65/EU a (EU) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



označené datum: 2021-09-03.

K nahlédnutí je k dispozici dokumentace prokazující shodu s výše uvedenými směrnicemi a normami.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13


Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

EÚ Vyhlásenie o zhode

SK

Slovenčina
Slovak

[GoodWe Technologies Co. Ltd.], na vlastnú zodpovednosť vyhlasuje, že produkty uvedené nižšie,

Produkt: Hybridný invertor

- GW50K-ETC

sú v súlade s harmonizačnými právnymi predpismi Únie.

Modely invertorov vybavené modulmi bezdrôtovej komunikácie Wi-Fi Kit/Wi-Fi Box/4G-Kit na európskom trhu sú v súlade s nasledujúcimi harmonizačnými právnymi predpismi a smernicami Únie:

- **Smernica o rádiových zariadeniach 2014/53/EU (RED)**
- **Smernica o nebezpečných látkach 2011/65/EÚ a (EÚ) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Modely meničov bez funkcie bezdrôtovej komunikácie na európskom trhu spĺňajú nasledujúce smernice a požiadavky:

- **Smernica o elektromagnetickej kompatibilite 2014/30/EU (EMC)**
- **Smernica o elektrických zariadeniach nízkeho napätia 2014/35/EU (LVD)**
- **Smernica o nebezpečných látkach 2011/65/EÚ a (EÚ) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



označený dátum: 2021-09-03.

Dokumentácia preukazujúci súlad s vyššie uvedenými smernicami a normami je k dispozícii na kontrolu.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13


Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

EU Izjava o sukladnosti

HR

Hrvatski
Croatian

[GoodWe Technologies Co. Ltd.], izjavljuje pod našom isključivom odgovornošću da dolje navedeni proizvodi,

Proizvod: Hibridni inverter

- GW50K-ETC

su u skladu sa zakonodavstvom Unije o usklađivanju.

Modeli pretvarača opremljeni bežičnim komunikacijskim modulima Wi-Fi Kit/Wi-Fi Box/4G-Kit na europskom tržištu u skladu su sa sljedećim harmonizacijskim zakonodavstvom i direktivama Unije:

- **Radio Equipment Directive 2014/53/EU (RED)**
- **Restrictions of Hazardous Substances Directive 2011/65/EU and (EU) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Modeli invertera bez funkcije bežične komunikacije na evropskom tržištu ispunjavaju sljedeće direktive i zahtjeve:

- **Electromagnetic compatibility Directive 2014/30/EU (EMC)**
- **Electrical Apparatus Low Voltage Directive 2014/35/EU (LVD)**
- **Restrictions of Hazardous Substances Directive 2011/65/EU and (EU) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



označeni datum: 2021-09-03.

Dokumentacija kojom se dokazuje usklađenost s gore navedenim direktivama i standardima dostupna je za inspekciju.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13

Tao Jiang 

Safety Manager

[GoodWe Technologies Co. Ltd.]

Izjava EU o skladnosti

SL

Slovenski
Slovanian

[GoodWe Technologies Co. Ltd.], na lastno odgovornost izjavlja, da spodaj navedeni izdelki,

Izdelek: Hibridni razsmernik

- GW50K-ETC

so v skladu z usklajevalno zakonodajo Unije.

Modeli pretvornikov, opremljeni z brezžičnimi komunikacijskimi moduli Wi-Fi Kit/Wi-Fi Box/4G-Kit na evropskem trgu, so v skladu z naslednjo usklajevalno zakonodajo in direktivami Unije:

- **Direktiva o radijski opremi 2014/53/EU (RED)**
- **Direktiva o nevarnih snoveh 2011/65/EU in (EU) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Modeli pretvornikov brez brezžične komunikacijske funkcije na evropskem trgu izpolnjujejo naslednje direktive in zahteve:

- **Direktiva o elektromagnetni združljivosti 2014/30/EU (EMC)**
- **Nizkonapetostna direktiva o električnih aparatih 2014/35/EU (LVD)**
- **Direktiva o nevarnih snoveh 2011/65/EU in (EU) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



označeni datum: 2021-09-03.

Dokumentacija, ki dokazuje skladnost z zgoraj navedenimi direktivami in standardi, je na voljo za pregled.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13

Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

EU - Overensstemmelseserklæring

DA

Dansk
Danish

[GoodWe Technologies Co. Ltd.], erklærer på eget ansvar, at de nedenfor nævnte produkter

Produkt: Hybrid inverter

- GW50K-ETC

overholde relevant harmoniseringslovgivning.

Invertere udstyret med Wi-Fi Kit / Wi-Fi Box / 4G-Kit trådløse kommunikationsmoduler, der er placeret på det europæiske marked, overholder følgende harmoniseringslovgivning og -direktiver:

- **Radioudstyr – Direktiv 2014/53/EU**
- **Direktiv om farlige stoffer 2011/65/EU og (EU) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Invertere uden trådløs kommunikationsfunktion, placeret på det europæiske marked, overholder følgende harmoniseringslovgivning og -direktiver:

- **Elektromagnetisk kompatibilitet – Direktiv 2014/30/EU**
- **Lavspænding – Direktiv 2014/35/EU**
- **Direktiv om farlige stoffer 2011/65/EU og (EU) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



markeret dato: 2021-09-03.

Dokumenter som styrker ovenstående overholdelse kan udleveres hvis det kræves.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13

Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

EU-försäkran om överensstämmelse

SV

Svenska
Swedish

[GoodWe Technologies Co. Ltd.] försäkrar under eget ansvar att produkterna som hänvisas till nedan,

Produkt: Hybrid växelriktare

- GW50K-ETC

är förenliga med relevant harmoniseringslagstiftning.

Växelriktare utrustade med de trådlösa kommunikationsmodulerna Wi-Fi Kit/Wi-Fi Box/4G-Kit, placerade på den europeiska marknaden är i överensstämmelse med följande harmoniseringslagstiftning och direktiv:

- Radioutrustning - Direktiv 2014/53/EU
- Direktivet om farliga ämnen 2011/65/EU och (EU) 2015/863 (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Växelriktare utan trådlös kommunikationsfunktion, placerade på den europeiska marknaden uppfyller följande harmoniseringslagstiftning och direktiv:

- Elektromagnetisk kompatibilitet (EMC) - Direktiv (2014/30/EU)
- Elektrisk utrustning - Direktiv 2014/35/EU
- Direktivet om farliga ämnen 2011/65/EU och (EU) 2015/863 (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



markerat datum: 2021-09-03.

Dokument som styrker ovanstående överensstämmelse kan tillhandahållas vid behov.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13

Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

EU-vaatimustenmukaisuusvakuutus

FI

Suomi
Finnish

Me [GoodWe Technologies Co. Ltd.] vakuuttaa yksinomaan vastuullamme, että jäljempänä tarkoitetut tuotteet,

Tuote: Hybridi invertteri

- GW50K-ETC

ovat unionin yhdenmukaistamislainsäädännön mukaisia.

Wi-Fi Kit/Wi-Fi Box/4G-Kit -langattomilla viestintämoduuleilla varustetut, Euroopan markkinoille saatetut taajuusmuuttajat ovat seuraavien yhdenmukaistamislainsäädännön ja -direktiivien mukaisia:

- Radiolaitedirektiivi 2014/53/EU (RED)
- Vaarallisia aineita koskeva direktiivi 2011/65/EU ja (EU) 2015/863 (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Euroopan markkinoille saatetut taajuusmuuttajat, joissa ei ole langatonta viestintätoimintoa, ovat seuraavien unionin yhdenmukaistamislainsäädännön ja -direktiivien mukaisia:

- Direktiivi sähkömagneettisesta yhteensopivuudesta 2014/30/EU (EMC)
- Sähkölaitteita koskeva pienjännitedirektiivi 2014/35/EU (LVD)
- Vaarallisten aineiden rajoituksia koskeva direktiivi 2011/65/EU ja (EU) 2015/863 (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



merkitty päivämäärä: 2021-09-03.

Edellä mainittujen direktiivien ja standardien noudattamista osoittavat asiakirjat ovat saatavilla tarkastusta varten.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13

Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

ELi vastavusdeklaratsioon

ET

Eesti
Estonian

Me [GoodWe Technologies Co. Ltd.] deklareerida meie ainuvastutusel, et allpool nimetatud tooted,

Toode: Hübriid inverter

- GW50K-ETC

on kooskõlas asjakohaste ühtlustamise õigusaktidega.

Euroopa turule viidud Wi-Fi Kit/Wi-Fi Box/4G-Kit traadita sidemoodulitega varustatud inverterid vastavad järgmistele ühtlustamise õigusaktidele ja direktiividele:

- Raadioseadmete direktiiv 2014/53/EU (RED)
- Ohtlike ainete direktiiv 2011/65/EL ja (EL) 2015/863 (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Ilma traadita sidefunktsioonita inverterid, mis viiakse Euroopa turule, vastavad järgmistele ühtlustamise õigusaktidele ja direktiividele:

- Elektromagnetilise ühilduvuse direktiiv 2014/30/EU (EMC)
- Elektriseadmete madalpingedirektiiv 2014/35/EU (LVD)
- Ohtlike ainete direktiiv 2011/65/EL ja (EL) 2015/863 (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



märgitud kuupäev: 2021-09-03.

Eespool nimetatud direktiividele ja standarditele vastavust tõendavad dokumendid on kontrollimiseks kättesaadavad.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13


Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

ES atbilstības deklarācija

LV

Latviešu
Latvian

Mēs [GoodWe Technologies Co. Ltd.] pagal mūsu atsakomybę deklaruoti, kad toliau nurodyti produktai,

Produkts: Hibrīda invertors

- GW50K-ETC

atbilst attiecīgajiem saskaņošanas tiesību aktiem.

Eiropas tirgū laistie invertori, kas aprīkoti ar Wi-Fi Kit/Wi-Fi Box/4G-Kit bezvadu sakaru moduļiem, atbilst šādiem saskaņošanas tiesību aktiem un direktīvām:

- Radioiekārtu direktīva 2014/53/EU (RED)
- Bīstamo vielu direktīva 2011/65/ES un (ES) 2015/863 (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Eiropas tirgū laistie invertori bez bezvadu sakaru funkcijas atbilst šādiem saskaņošanas tiesību aktiem un direktīvām:

- Elektromagnētiskās saderības direktīva 2014/30/EU (EMC)
- Elektroierīču zemsprieguma direktīva 2014/35/EU (LVD)
- Bīstamo vielu direktīva 2011/65/ES un (ES) 2015/863 (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



atzīmētais datums: 2021-09-03.

Dokumentācija, kas apliecina atbilstību iepriekš minētajām direktīvām un standartiem, ir pieejama pārbaudei.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13

Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

ES atitikties deklaracija

LT

Lietuvių
Lithuanian

Mes [GoodWe Technologies Co. Ltd.] pagal mūsų atsakomybę deklaruoti, kad toliau nurodyti produktai,

Gaminys: Hibridinis keitiklis

- GW50K-ETC

atitinka atitinkamus derinamuosius teisės aktus.

Europos rinkai tiekiami inverteriai su "Wi-Fi Kit/Wi-Fi Box/4G-Kit" belaidžio ryšio moduliais atitinka šiuos derinimo teisės aktus ir direktyvas:

- Radijo įrangos direktyva 2014/53/EU (RED)
- Pavojingų medžiagų direktyva 2011/65/ES ir (ES) 2015/863 (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Europos rinkai tiekiami keitikliai be belaidžio ryšio funkcijos atitinka šiuos derinamuosius teisės aktus ir direktyvas:

- Elektromagnetinio suderinamumo direktyva 2014/30/EU (EMC)
- Elektros prietaisų žemos įtampos direktyva 2014/35/EU (LVD)
- Pavojingų medžiagų direktyva 2011/65/ES ir (ES) 2015/863 (RoHS)

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



pažymėta data: 2021-09-03.

Susipažinti galima su dokumentais, įrodančiais atitiktį pirmiau minėtoms direktyvoms ir standartams.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13

Tao Jiang 

Safety Manager

[GoodWe Technologies Co. Ltd.]

Dikjarazzjoni ta' Konformità tal-UE

MT

Malti
Maltese

Aħna [GoodWe Technologies Co. Ltd.] niddikjaraw taħt ir-responsabbiltà unika tagħna li l-prodotti msemmija hawn taħt,

Prodott: Inverter ibridu

- GW50K-ETC

tikkonforma mal-leġislazzjoni ta' armonizzazzjoni rilevanti.

Invertituri mgħammra bil-Kit Wi-Fi / Kaxxa Wi-Fi / 4G-Kit moduli ta' komunikazzjoni mingħajr fili, li jinsabu fis-suq Ewropew, jikkonformaw mal-leġislazzjoni u direttivi ta' armonizzazzjoni li ġejjin:

- **Radio Equipment Directive 2014/53/EU (RED)**
- **Restrictions of Hazardous Substances Directive 2011/65/EU and (EU) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Radio	ETSI EN 300 328 V2.2.2
Health	EN IEC 62311:2020

Invertituri mingħajr funzjoni ta' komunikazzjoni mingħajr fili, li jinsabu fis-suq Ewropew jikkonformaw mal-leġislazzjoni u direttivi ta' armonizzazzjoni li ġejjin:

- **Electromagnetic compatibility Directive 2014/30/EU (EMC)**
- **Electrical Apparatus Low Voltage Directive 2014/35/EU (LVD)**
- **Restrictions of Hazardous Substances Directive 2011/65/EU and (EU) 2015/863 (RoHS)**

Safety	EN 62109-1:2010 EN 62109-2:2011
EMC	EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 +A1:2011 +AC :2012 EN 61000-6-4:2007 +A1:2011



data mmarkata: 2021-09-03.

Dokumentazzjoni li turi l-konformità mad-Direttivi u l-standards ta' hawn fuq hija disponibbli għall-ispezzjoni.

No.90 Zijin Rd., New District, Suzhou, 215011, China, 2022-01-13

Tao Jiang

Safety Manager

[GoodWe Technologies Co. Ltd.]

August 6th, 2019

CE Declaration of Conformity

Manufacturer: LONGi Green Energy Technology Co., Ltd.
Address: No. 388 Middle Hangtian Road, 710100 Xi'an City, Shaanxi, PRC
Product: Photovoltaic (PV) Module
Brand: LONGi Solar
Model(s):

- LR4-60 HPH XXX M (XXX = Nameplate Power)
- LR4-72 HPH XXX M (XXX = Nameplate Power)

LONGi Solar Technologie GmbH herewith confirms that it's PV modules comply with the requirements set out in the European Union Directive 2014/35/EU (Low Voltage Directive – LVD) for the electrical equipment used in certain voltage limits and 2014/30/EU (Electromagnetic Emission – EMI). For the evaluation of the conformance with these Directives, the following IEC standards were applied:

- IEC 61215-1:2016 (Terrestrial PV modules - Design qualification and type approval)
- IEC 61730-1:2016 (Photovoltaic (PV) module safety qualification)
(ref.: report 704061802022-03 issued by TÜV Süd)

Responsible for making this declaration is the manufacturer and/or it's authorized representative within the European Union (LONGi Solar Technologie GmbH).

i.A. Winfried Wahl
Chief Engineer, Head of Product Management



Product Service

Attestation of Conformity

No. N8A 099333 0066 Rev. 05

Holder of Certificate: **LONGi Green Energy Technology Co., Ltd.**
No. 388, Middle Hangtian Road
Chang'an District
710100 Xi'an City, Shaanxi
PEOPLE'S REPUBLIC OF CHINA

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

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: 704061700516-12

Date, 2020-11-03

(Zhulin Zhang)



Product Service

Attestation of Conformity

No. N8A 099333 0066 Rev. 05

Model(s):

LR6-72HV-xxxM, (xxx=335-360 in step of 5)
LR6-60HV-xxxM, (xxx=280-300 in step of 5)
LR6-72PH-xxxM, (xxx=340-380 in step of 5)
LR6-60PH-xxxM, (xxx=285-315 in step of 5)
LR6-72HPH-xxxM, (xxx=365-395 in step of 5)
LR6-72HIH-xxxM, (xxx=365-395 in step of 5)
LR6-60HPH-xxxM, (xxx=300-325, in step of 5)
LR6-60HIH-xxxM, (xxx=300-325 in step of 5)
LR6-72OPH-xxxM, (xxx=385-415 in step of 5)
LR6-60OPH-xxxM, (xxx=335-365 in step of 5)
LR6-72HPH-xxxMC, (xxx=375-390 in step of 5)
LR6-60HPH-xxxMC, (xxx=305-325 in step of 5)
LR6-60ZPH-xxxM, (xxx=330-355 in step of 5)
LR4-72HPH-xxxM, (xxx=420-455 in step of 5)
LR4-72HIH-xxxM, (xxx=420-455 in step of 5)
LR4-60HPH-xxxM, (xxx=350-375 in step of 5)
LR4-60HIH-xxxM, (xxx=350-375 in step of 5)
LR4-72ZPH-xxxM, (xxx=420-435 in step of 5)
LR4-60ZPH-xxxM, (xxx=350-365 in step of 5)
LR4-78ZPH-xxxM, (xxx=455-485 in step of 5)
LR5-72HPH-xxxM, (xxx=525-555 in step of 5)
LR5-66HPH-xxxM, (xxx=480-505 in step of 5)
xxx stands for rated output power at STC

Parameters:

Fire Safety Class:	Class C according to UL790
Safety Class:	Class II
Maximum System Voltage:	1500V DC
Test Laboratory:	Yangzhou Opto-Electrical Products Testing Institute. No.10 West Kaifa Road, Yangzhou 225009 Jiangsu, P.R. China
Construction:	Framed, with Junction box, cable and connector.

Tested according to:

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



Product Service

CERTIFICATE

No. Z2 099333 0045 Rev. 21

Holder of Certificate: **LONGi Green Energy Technology Co., Ltd.**

No. 388, Middle Hangtian Road
Chang'an District
710100 Xi'an City, Shaanxi
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 and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704061700516-21

Valid until: 2027-06-30

Date, 2022-07-01

(Zhulin Zhang)

CERTIFICATE

No. Z2 099333 0045 Rev. 21

Model(s):

LR6-72HV-xxxM, (xxx=335-360 in step of 5)
 LR6-60HV-xxxM, (xxx=280-300 in step of 5)
 LR6-72PH-xxxM, (xxx=340-380 in step of 5)
 LR6-60PH-xxxM, (xxx=285-315 in step of 5)
 LR6-72HPH-xxxM, (xxx=365-395 in step of 5)
 LR6-72HIH-xxxM, (xxx=365-395 in step of 5)
 LR6-60HPH-xxxM, (xxx=300-325 in step of 5)
 LR6-60HIH-xxxM, (xxx=300-325 in step of 5)
 LR6-72OPH-xxxM, (xxx=385-415 in step of 5)
 LR6-60OPH-xxxM, (xxx=335-365 in step of 5)
 LR6-72HPH-xxxMC, (xxx=375-390 in step of 5)
 LR6-60HPH-xxxMC, (xxx=305-325 in step of 5)
 LR4-72HPH-xxxM, (xxx=420-465 in step of 5)
 LR4-72HIH-xxxM, (xxx=420-465 in step of 5)
 LR4-60HPH-xxxM, (xxx=350-380 in step of 5)
 LR4-60HIH-xxxM, (xxx=350-380 in step of 5)
 LR4-72ZPH-xxxM, (xxx=420-435 in step of 5)
 LR4-60ZPH-xxxM, (xxx=350-365 in step of 5)
 LR6-60ZPH-xxxM, (xxx=330-355 in step of 5)
 LR4-78ZPH-xxxM, (xxx=455-485 in step of 5)
 LR5-72HPH-xxxM, (xxx=525-555 in step of 5)
 LR5-66HPH-xxxM, (xxx=480-505 in step of 5)
 LR4-66HPH-xxxM, (xxx=395-415 in step of 5)
 LR4-66HIH-xxxM, (xxx=395-415 in step of 5)
 LR5-72HIH-xxxM, (xxx=525-555 in step of 5)
 LR5-66HIH-xxxM, (xxx=480-505 in step of 5)
 LR5-78HPH-xxxM, (xxx=575-595 in step of 5)
 LR5-78ZPH-xxxM, (xxx=565-585, in step of 5)
 LR4-50HPH-xxxM, (xxx=305-320, in step of 5)
 LR4-66HTB-xxxM, (xxx=410-430 in step of 5)
 LR4-60HTB-xxxM, (xxx=370-390 in step of 5)
 LR5-54HPH-xxxM, (xxx=395-415 in step of 5)
 LR4-66HTH-xxxM, (xxx=420-440 in step of 5)
 LR4-60HTH-xxxM, (xxx=380-400 in step of 5)
 LR5-54HIH-xxxM, (xxx=395-415 in step of 5)
 LR5-72HTH-xxxM, (xxx=555-600 in step of 5)
 LR5-54HTH-xxxM, (xxx=420-450 in step of 5)
 LR5-54HTB-xxxM, (xxx=410-440 in step of 5)
 xxx stands for rated output power at STC

Parameters:

Fire Safety Class:	Class C according to UL790.
Safety Class:	Class II
Max. System Voltage:	1500V DC
Test Laboratory:	Yangzhou Opto-Electrical Products Testing Institute. No.10 West Kaifa Road, Yangzhou 225009 Jiangsu, P.R. China.
Construction:	Framed, with Junction box, cable and

connector.

Tested according to:

IEC 61215-1:2016
 IEC 61215-1-1:2016
 IEC 61215-2:2016
 IEC 61730-1:2016
 IEC 61730-2:2016
 EN 61215-1:2016
 EN 61215-1-1:2016
 EN 61215-2:2017
 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



Product Service

CERTIFICATE

No. Z2 099333 0039 Rev. 19

Holder of Certificate: **LONGi Green Energy Technology Co., Ltd.**

No. 388, Middle Hangtian Road
Chang'an District
710100 Xi'an City, Shaanxi
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 and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704061700509-21

Valid until: 2027-06-30

Date, 2022-07-01

(Zhulin Zhang)

CERTIFICATE

No. Z2 099333 0039 Rev. 19

Model(s):

LR6-72BP-xxxM, (xxx=350 to 380 in step of 5)
 LR6-60BP-xxxM, (xxx=290 to 315 in step of 5)
 LR6-72DG-xxxM, (xxx=330 to 360 in step of 5)
 LR6-60DG-xxxM, (xxx=275 to 300 in step of 5)
 LR6-72PD-xxxM, (xxx=345 to 370 in step of 5)
 LR6-60PD-xxxM, (xxx=290 to 305 in step of 5)
 LR6-72HBD-xxxM, (xxx=360 to 395 in step of 5)
 LR6-60HBD-xxxM, (xxx=300 to 325 in step of 5)
 LR6-72HIBD-xxxM, (xxx=360 to 380 in step of 5)
 LR6-60HIBD-xxxM, (xxx=300 to 325 in step of 5)
 LR6-78HBD-xxxM, (xxx=395 to 410 in step of 5)
 LR6-78HIBD-xxxM, (xxx=395 to 410 in step of 5)
 LR6-72OPD-xxxM, (xxx=370 to 410 in step of 5)
 LR6-60OPD-xxxM, (xxx=325 to 345 in step of 5)
 LR6-72HPD-xxxM, (xxx=360 to 385 in step of 5)
 LR6-60HPD-xxxM, (xxx=300 to 320 in step of 5)
 LR6-72MBD-xxxM, (xxx=365 to 385 in step of 5)
 LR6-60MBD-xxxM, (xxx=305 to 320 in step of 5)
 LR6-72MPD-xxxM, (xxx=365 to 385 in step of 5)
 LR6-60MPD-xxxM, (xxx=305 to 320 in step of 5)
 LR6-78OPD-xxxM, (xxx=425)
 LR6-72HBD-xxxMC, (xxx=360 to 395 in step of 5)
 LR6-60HBD-xxxMC, (xxx=300 to 325 in step of 5)
 LR6-72HIBD-xxxMC, (xxx=360 to 380 in step of 5)
 LR6-60HIBD-xxxMC, (xxx=300 to 325 in step of 5)
 LR4-72HBD-xxxM, (xxx=415 to 455 in step of 5)
 LR4-60HBD-xxxM, (xxx=345 to 375 in step of 5)
 LR4-72HIBD-xxxM, (xxx=415 to 450 in step of 5)
 LR4-60HIBD-xxxM, (xxx=345 to 375 in step of 5)
 LR4-78HBD-xxxM, (xxx=470 to 495 in step of 5)
 LR4-78ZBD-xxxM, (xxx=460 to 485 in step of 5)
 LR5-72HBD-xxxM, (xxx=500 to 555 in step of 5)
 LR5-66HBD-xxxM, (xxx=475 to 505 in step of 5)
 LR5-72HIBD-xxxM, (xxx=500 to 555 in step of 5)
 LR5-66HIBD-xxxM, (xxx=475 to 505 in step of 5)
 LR5-78ZBD-xxxM, (xxx=565 to 580 in step of 5)
 LR5-78HBD-xxxM, (xxx=570 to 590 in step of 5)
 LR5-72HND-xxxM (xxx=540 to 580, in step of 5)
 LR5-66HND-xxxM (xxx=495 to 530, in step of 5)
 LR5-60HND-xxxM (xxx=450 to 480, in step of 5)
 LR5-54HND-xxxM (xxx=405 to 435, in step of 5)
 LR5-72HTD-xxxM (xxx=550 to 600, in steps of 5)
 xxx stands for rated output power at STC.

CERTIFICATE

No. Z2 099333 0039 Rev. 19

Parameters:

Fire Safety Class:	Class C according to UL790.
Safety Class:	Class II
Max. System Voltage:	1500V DC
Test Laboratory:	Yangzhou Opto-Electrical Products Testing Institute, No. 10 West Kaifa Road, Yangzhou, 225009 Jiangsu, P. R. China.
Construction:	Frameless or framed, with Junction box, cable and connector.

Tested according to:

IEC 61215-1:2016
IEC 61215-1-1:2016
IEC 61215-2:2016
IEC 61730-1:2016
IEC 61730-2:2016
EN 61215-1:2016
EN 61215-1-1:2016
EN 61215-2:2017
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