

# Wotech Solar

## your best PV supplier!



### Technology & Process Upgrade

182+10BB+half-cell, higher power generation with the same installation



### Super Performance & Stable Returns

Low hot spot & anti-PID, to ensure module operation optimally



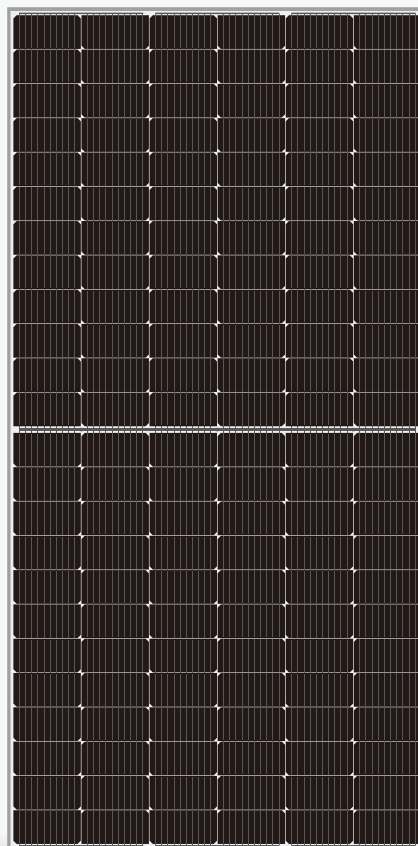
### Various Application Scenarios

Strong weather resistance, easy installation in deserts, coastal areas, mountains and various roofs



### Better Compatibility

Well compatibility in system, Lower LCOE



## WT-72X10

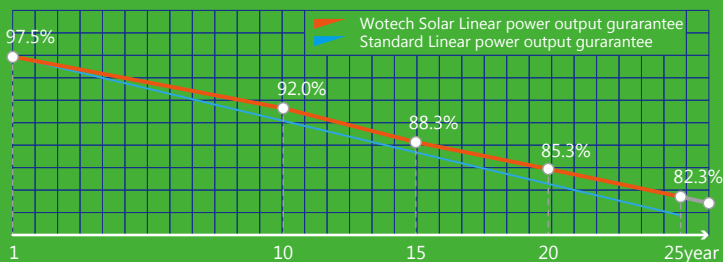
# 520~550W

Half-Cell High Efficiency PV Module

## Quality Guarantee

12-year Material & technology warranty

25-year Linear power output warranty



Max  
Module  
Efficiency  
-  
21.28%

## Comprehensive Products and System Certificates



IEC 61215 / IEC 61730 / CE / INMETRO

OHSAS 18001:

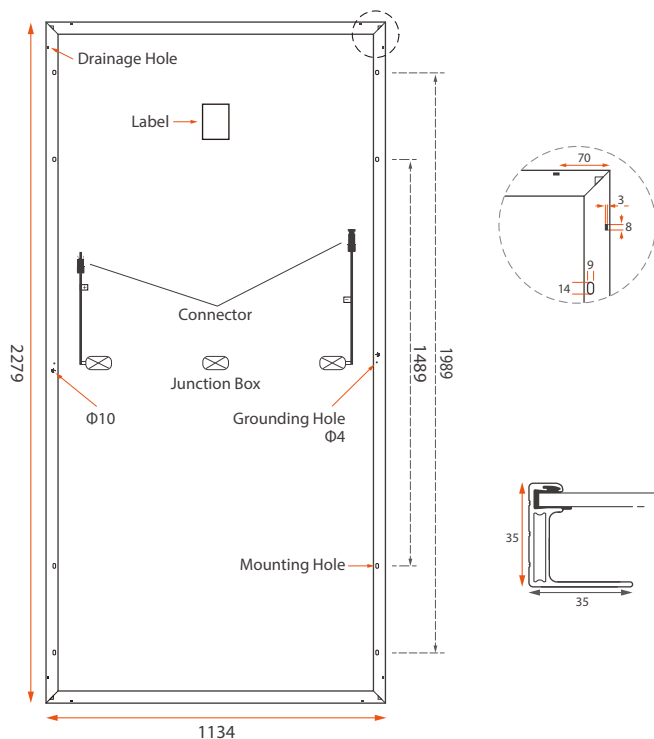
2007/International standards for occupational health & safety

ISO 14001:

2015/Standards for environmental management system

ISO 9001:

2015/Quality management system



## MECHANICAL SPECIFICATION

| Cells Type                     | Weight   | Dimension (L×W×T)     |
|--------------------------------|--|-----------------------|
| <b>Mono 182×91mm</b>           | <b>29kg</b>  | <b>2279×1134×35mm</b> |
| Packing                        | 31pcs/pallet, 620pcs/40HQ  |                       |
| Cable<br>(Including connector) | 4.0mm <sup>2</sup> , Portrait: 300mm(+)/400mm(-)<br>Landscape: 1400mm(+)/1400mm(-) |                       |
| No.of Cells                    | 144 (6×24)   |                       |
| Glass                          | 3.2mm High Transmission, Antireflection Coating                                    |                       |
| Junction box                   | IP68, 3 Bypass Diodes  |                       |
| Connector                      | MC4 Compatible   |                       |

## OPERATING PARAMETERS

|                                    |                |
|------------------------------------|----------------|
| Maximum system voltage             | 1000V/1500V DC |
| Operating Temperature              | -40 ~ +85°C    |
| Maximum series fuse rating         | 20A            |
| Snow load, frontside               | 5400Pa         |
| Wind load, backside                | 2400Pa         |
| Nominal operating cell temperature | 45°C±2°C       |
| Application level                  | Class A        |

## STC — Electrical Characteristics

| Module Type                                 | WT-72X10  |        |        |        |        |        |        |
|---|-----------|--------|--------|--------|--------|--------|--------|
| Maximum Power (P <sub>max</sub> )           | 520W      | 525W   | 530W   | 535W   | 540W   | 545W   | 550W   |
| Open-circuit Voltage (V <sub>oc</sub> )     | 49.0V     | 49.2V  | 49.4V  | 49.6V  | 49.8V  | 50.0V  | 50.2V  |
| Maximum Power Voltage (V <sub>mp</sub> )    | 41.2V     | 41.4V  | 41.6V  | 41.8V  | 42.0V  | 42.2V  | 42.4V  |
| Short-circuit Current (I <sub>sc</sub> )    | 13.42A    | 13.48A | 13.54A | 13.60A | 13.66A | 13.72A | 13.78A |
| Maximum Power Current (I <sub>mp</sub> )    | 12.62A    | 12.68A | 12.74A | 12.80A | 12.86A | 12.91A | 12.97A |
| Module Efficiency (%)                       | 20.12%    | 20.31% | 20.51% | 20.70% | 20.89% | 21.09% | 21.28% |
| Power Tolerance                             | 0~+5W     |        |        |        |        |        |        |
| Temperature Coefficient of I <sub>sc</sub>  | 0.05%/°C  |        |        |        |        |        |        |
| Temperature Coefficient of V <sub>oc</sub>  | -0.31%/°C |        |        |        |        |        |        |
| Temperature Coefficient of P <sub>max</sub> | -0.35%/°C |        |        |        |        |        |        |

Standard Test Environment: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

## NOCT — Electrical Characteristics

|  |        |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|--------|
| Maximum Power (P <sub>max</sub> )        | 387W   | 391W   | 394W   | 398W   | 402W   | 405W   | 409W   |
| Open-circuit Voltage (V <sub>oc</sub> )  | 46.0V  | 46.1V  | 46.3V  | 46.5V  | 46.7V  | 46.9V  | 47.1V  |
| Maximum Power Voltage (V <sub>mp</sub> ) | 38.6V  | 38.8V  | 39.0V  | 39.2V  | 39.4V  | 39.6V  | 39.8V  |
| Short-circuit Current (I <sub>sc</sub> ) | 10.84A | 10.89A | 10.94A | 10.99A | 11.04A | 11.09A | 11.13A |
| Maximum Power Current (I <sub>mp</sub> ) | 10.01A | 10.06A | 10.11A | 10.15A | 10.20A | 10.24A | 10.29A |

Standard Test Environment: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

