

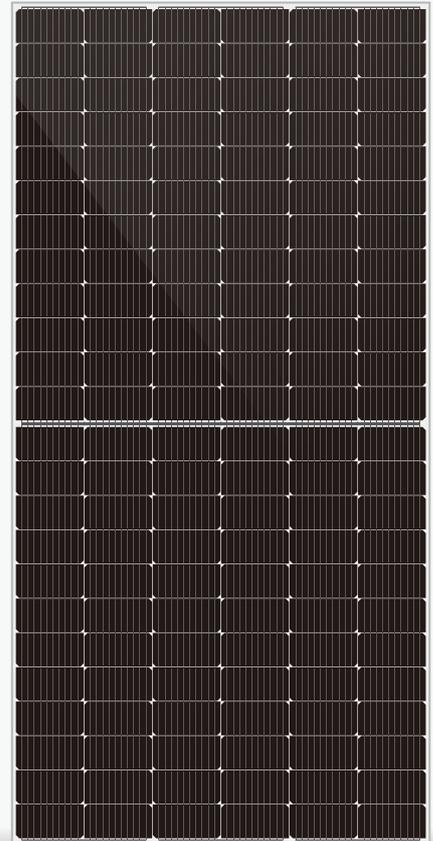


ZECO-72X10

0~+5W

525~560W

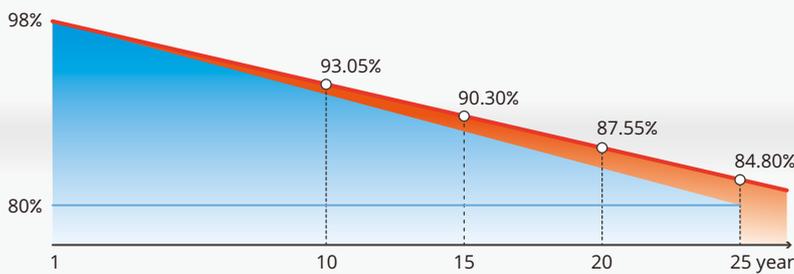
Half-Cell High Efficiency PV Module



### Quality Guarantee

12-Year material & technology warranty

25-Year linear power output warranty



— ZECONEX solar linear power output guarantee

— Standard linear power output guarantee



#### More Power Generation

Larger size of light receiving area and higher module conversion efficiency



#### 10 Busbar Technology

Higher power collection density improves power generation



#### Stable Generation Performance

Guaranteed 0~+5W positive tolerance and slower power attenuation: first year ≤2%, 0.55% per year from 2-25



#### Higher Power Gains and Lower Losses

Excellent low irradiance performance and low shadow loss



#### Process Optimized and Upgraded

Lower risk of hot spot and stronger anti-PID ability



#### Strong Environmental Adaptability and Great Durability

Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests and enhanced mechanical load: wind load (2400 Pascal) and snow load (5400 Pascal)

### Comprehensive

### Products and System Certificates



IEC 61215 / IEC 61730 / CE / FIDE / INMETRO

ISO 45001-

2018/International standards for occupational health & safety

ISO 14001-

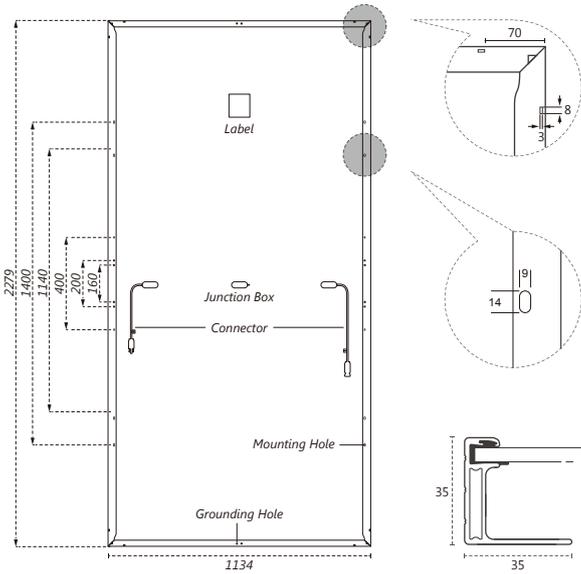
2015/Standards for environmental management system

ISO 9001-

2015/Quality management system

# ZECO-72X10 525~560W

## Design



## Mechanical Specification

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

## Operating Parameters

<b>Maximum system voltage</b>	1500V DC
<b>Operating Temperature</b>	-40 ~ +85°C
<b>Maximum series fuse rating</b>	25A
<b>Snow load, frontside</b>	5400Pa
<b>Wind load, backside</b>	2400Pa
<b>Nominal operating cell temperature</b>	45°C±2°C
<b>Application level</b>	Class A

## STC-Electrical Characteristics

Module Type	ZECO-72X10							
Maximum Power (Pmax/W)	525	530	535	540	545	550	555	560
Open-circuit Voltage (Voc/V)	49.2	49.4	49.6	49.8	50.0	50.2	50.4	50.6
Maximum Power Voltage (Vmp/V)	41.4	41.6	41.8	42.0	42.2	42.4	42.6	42.8
Short-circuit Current (Isc/A)	13.48	13.54	13.60	13.66	13.72	13.78	13.84	13.90
Maximum Power Current (Imp/A)	12.68	12.74	12.80	12.86	12.91	12.97	13.03	13.08
Module Efficiency (%)	20.31	20.51	20.70	20.89	21.09	21.28	21.48	21.67
Temperature Coefficient of Isc	0.05%/°C							
Temperature Coefficient of Voc	-0.31%/°C							
Temperature Coefficient of Pmax	-0.35%/°C							

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

## NOCT-Electrical Characteristics

Maximum Power (Pmax/W)	391	394	398	402	405	409	413	417
Open-circuit Voltage (Voc/V)	46.1	46.3	46.5	46.7	46.9	47.1	47.3	47.5
Maximum Power Voltage (Vmp/V)	38.8	39.0	39.2	39.4	39.6	39.8	40.0	40.1
Short-circuit Current (Isc/A)	10.89	10.94	10.99	11.04	11.09	11.13	11.18	11.23
Maximum Power Current (Imp/A)	10.06	10.11	10.15	10.20	10.24	10.29	10.33	10.38

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

## I-V Curve (ZECO-72X10-560W)

