

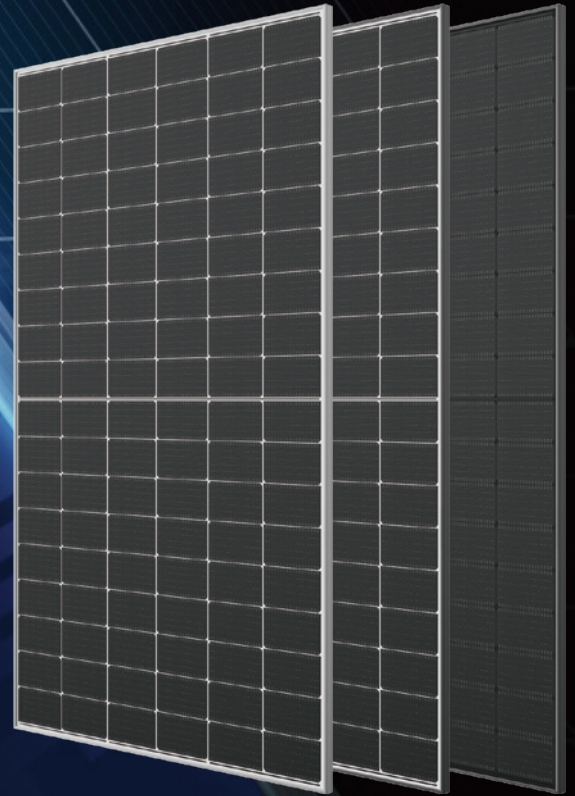
# N-type TOPCon

ASP530T-54BDG

# 510-530W

Rectangle Bifacial Module with  
Double Glass

**23.80%**  
Max. Efficiency



## N-Type 182\*210mm Cell

Adopting the 182\*210mm N-Type TOPCon cells with the highest efficiency.



## Bifacial with Double-Glass

Module adopts 182\*210mm half cells, bifacial module provide an additional 5%~25% output.



## Load Capacity

Mechanical load tests including wind load 2400Pa and snow load 5400Pa done by TUV.



## PID Protection

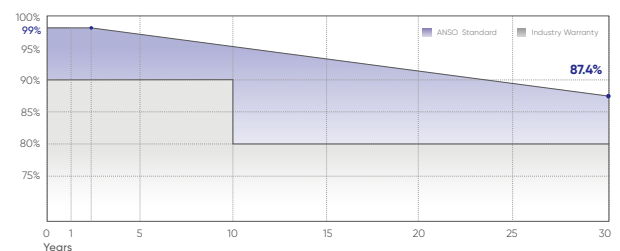
Ensure the attenuation probability caused by PID phenomenon is minimized.



## Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by TUV.

## Power Warranty



**15** Years  
Product  
Warranty

**30** Years  
Linear Power  
Warranty

## Quality Management System

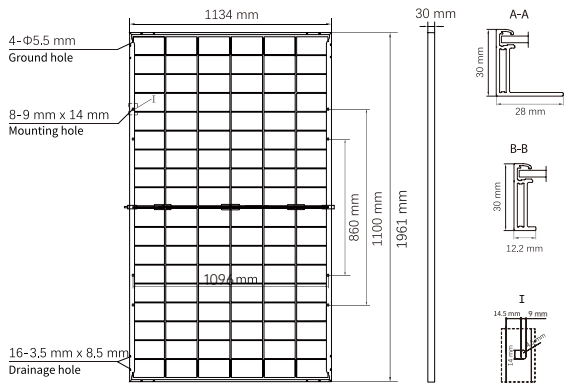
IEC61215/61730, IEC62804(PID), IEC61701(Salt).  
IEC62716 (Ammonia), IEC60068-2-68(Sand).  
ISO 9001:2015/quality management system.  
ISO 14001:2015/environmental management system.  
ISO 45001:2018/occupation health safety management system.  
ISO 50001:2011/energy management system.  
IEC TS 62941-2016/PV industry quality management system.

# ASP510-530W

## Mechanical Characteristics

|                        |                                                                         |
|------------------------|-------------------------------------------------------------------------|
| Weight                 | 26.9kg                                                                  |
| Dimensions             | 1961×1134×30mm                                                          |
| Cell Dimensions        | 182×210mm                                                               |
| Cell Amount            | 54×2 pcs                                                                |
| Maximum System Voltage | 1500V                                                                   |
| Junction Box           | IP68                                                                    |
| Glass Thickness        | (F) 2.0mm, Anti-Reflection Coating   (B) 2.0mm, Heat Strengthened Glass |
| Frame                  | Aluminum Alloy                                                          |
| Cable                  | 4mm², 300mm in length, length can be customized / UV resistant          |
| Connector              | MC4 Compatible                                                          |
| Bifaciality            | 80±5%                                                                   |
| Packing                | 36pcs/pallet, 864pcs/40'HQ Container                                    |

## Drawings



## Electrical Parameters(STC\*)

|                                  |       |       |       |       |       |
|----------------------------------|-------|-------|-------|-------|-------|
| Module Type: ASP530T-54BDG       | 510   | 515   | 520   | 525   | 530   |
| Maximum Power (Pmax/W)           | 510   | 515   | 520   | 525   | 530   |
| Open Circuit Voltage (Voc/V)     | 41.21 | 41.37 | 41.39 | 41.49 | 41.59 |
| Short Circuit Current (Isc/A)    | 15.70 | 15.79 | 15.82 | 15.93 | 16.04 |
| Voltage at Maximum Power (Vmp/V) | 34.29 | 34.42 | 34.44 | 34.52 | 34.60 |
| Current at Maximum Power (Imp/A) | 14.87 | 14.96 | 15.10 | 15.21 | 15.32 |
| Module Efficiency (%)            | 22.90 | 23.20 | 23.40 | 23.60 | 23.80 |

\*STC: Irradiance 1000W/m², cell temperature 25°C, AM=1.5. Tolerance of Pmax is within ±3%.

## Electrical Parameters(BNPI\*)

|                                  |       |       |       |       |       |
|----------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax/W)           | 562.0 | 567.5 | 573.0 | 578.6 | 584.1 |
| Open Circuit Voltage (Voc/V)     | 41.22 | 41.38 | 41.40 | 41.50 | 41.60 |
| Short Circuit Current (Isc/A)    | 17.47 | 17.57 | 17.62 | 17.74 | 17.87 |
| Voltage at Maximum Power (Vmp/V) | 34.30 | 34.43 | 34.45 | 34.53 | 34.61 |
| Current at Maximum Power (Imp/A) | 16.39 | 16.48 | 16.64 | 16.75 | 16.87 |

\*\*BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25° C, AM=1.5

## Temperature Characteristics

|                           |            |
|---------------------------|------------|
| NMOT                      | 41±3°C     |
| Temp. Coefficient of Voc  | -0.25%/°C  |
| Temp. Coefficient of Isc  | +0.046%/°C |
| Temp. Coefficient of Pmax | -0.30%/°C  |

## Maximum Rating

|                       |               |
|-----------------------|---------------|
| Output Tolerance      | 0~+5W         |
| Operating Temperature | -40°C~+85°C   |
| Wind Load/Snow Load   | 2400Pa/5400Pa |
| Fuse Current          | 25A           |

## Characteristics(ASP530T-54BDG)

