



## KEY FEATURES



### 9BB Half-cut Cell Technology

New circuit design, lower internal current, lower  $R_s$  loss  
Ga doped wafer, attenuation <2% (1st year) / 0.45% (Linear)



### Industry Leading High Yield

Bifacial PERC cell technology,  
5%-25% more yield depends on different conditions



### Excellent Anti-PID Performance

2 times of industry standard Anti-PID test



## ELECTRICAL CHARACTERISTICS

| Testing Condition             | STC   | NMOT | STC   | NMOT | STC   | NMOT | STC   | NMOT | STC   | NMOT |
|-------------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|
| Maximum Power (Pmax/W)        | 360   | 268  | 365   | 271  | 370   | 275  | 375   | 278  | 380   | 282  |
| Operating Voltage (Vmpp/V)    | 34.3  | 31.6 | 34.6  | 31.9 | 34.9  | 32.1 | 35.2  | 32.3 | 35.5  | 32.6 |
| Operating Current (Impp/A)    | 10.50 | 8.46 | 10.56 | 8.50 | 10.61 | 8.55 | 10.66 | 8.60 | 10.71 | 8.64 |
| Open-Circuit Voltage (Voc/V)  | 40.7  | 37.9 | 40.9  | 38.0 | 41.1  | 38.2 | 41.3  | 38.4 | 41.5  | 38.6 |
| Short-Circuit Current (Isc/A) | 11.15 | 9.00 | 11.20 | 9.04 | 11.26 | 9.09 | 11.31 | 9.13 | 11.37 | 9.17 |
| Module Efficiency [%]         | 19.80 |      | 20.00 |      | 20.30 |      | 20.60 |      | 20.9  |      |

STC: Irradiance 1000W/m<sup>2</sup>, Spectra at AM1.5, Module Temperature 25 °C. Power output tolerance: 0~+5W, Test uncertainty for Pmax: ±3%  
 NMOT: Irradiance 800W/m<sup>2</sup>, Spectra at AM1.5, Ambient Temperature 20 °C, Wind speed 1m/s

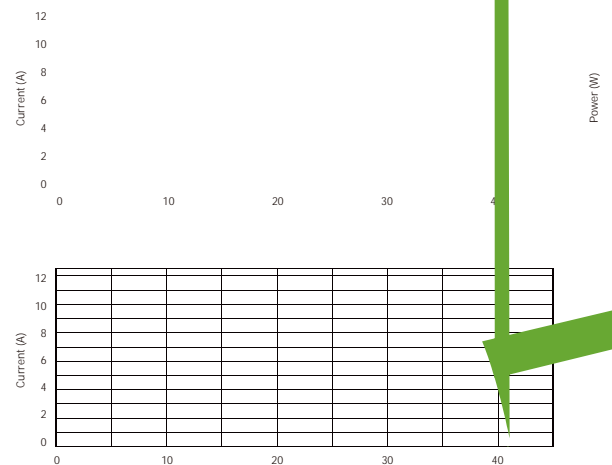
## REAR SIDE POWER GAIN(REFERENCE TO 375W FRONT)

|           | 5%    | 10%   | 15%   | 20%   | 25%   |
|-----------|-------|-------|-------|-------|-------|
| Pmax gain | 5%    | 10%   | 15%   | 20%   | 25%   |
| Pmax/W    | 394   | 413   | 431   | 450   | 469   |
| Vmpp/V    | 35.2  | 35.2  | 35.2  | 35.2  | 35.2  |
| Impp/A    | 11.19 | 11.73 | 12.26 | 12.79 | 13.32 |
| Voc/V     | 41.3  | 41.3  | 41.3  | 41.3  | 41.3  |
| Isc/A     | 11.88 | 12.44 | 13.01 | 13.57 | 14.14 |

## MECHANICAL CHARACTERISTICS

|                   |                                                                           |
|-------------------|---------------------------------------------------------------------------|
| Cell Type         | Monocrystalline Silicon(9Busbar)                                          |
| No. of Cells      | 120pcs in series (6*20)                                                   |
| Module Dimensions | 1755*1038*30mm(69.09*40.87*1.18 inches)                                   |
| Weight            | 23.5kg (51.8lbs)                                                          |
| Front Glass       | 2.0mm AR Coating Semi-tempered Glass                                      |
| Back Glass        | 2.0mm Glazed Semi-tempered Glass                                          |
| Frame             | Anodized Aluminium Alloy                                                  |
| Junction Box      | IP68, 3 Bypass Diodes                                                     |
| Output Cables     | 4mm <sup>2</sup> (IEC), 12AWG(UL)<br>300mm in Length or Customized Length |
| Connectors        | T01/LJQ-3-CSY/MC4/MC4-EV02                                                |

## I-V CURVE



## APPLICATION CONDITIONS

|                           |                                     |
|---------------------------|-------------------------------------|
| Maximun System Voltage    | 1500V/DC                            |
| Operating Temperature     | -40°C~+85°C                         |
| Maximun Series Fuse       | 25A                                 |
| Safety Protection Class   | Class II                            |
| Mechanical Load           | Front side 5400Pa, Back side 2400Pa |
| Refer. Bifaciality Factor | 70%±5%                              |

## TECHNICAL DRAWINGS

## TEMPERATURE CHARACTERISTICS

|                                            |            |
|--------------------------------------------|------------|
| Temperature Coefficient of Pmax            | -0.36%/°C  |
| Temperature Coefficient of Voc             | -0.26%/°C  |
| Temperature Coefficient of Isc             | +0.043%/°C |
| Nominal Module Operating Temperature(NMOT) | 43±2°C     |

## PACKING CONFIGURATION

|                             |     |         |
|-----------------------------|-----|---------|
| Pieces Per Pallet           | 36  | 36(USA) |
| Pieces Per Container(40'HQ) | 936 | 792     |



Talesun Solar Energy Co., Ltd. is a leading manufacturer of monocrystalline silicon solar panels. The company is committed to providing high-quality, efficient solar panels for residential and commercial applications. With a focus on innovation and R&D, Talesun offers a wide range of solar panel options to meet various needs. The company's products are known for their durability, performance, and competitive pricing. Talesun is a member of the Solar Energy Industry Association and is dedicated to sustainable energy solutions.