

**Quasar-Bi**

Half Cut Mono PERC Bi-Facial Module

**555Wp**

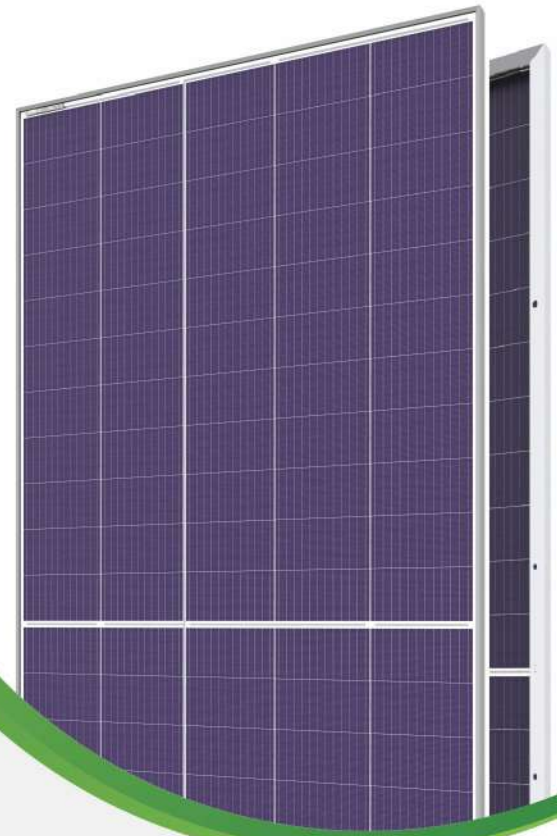
Efficiency up to **23.40%**

**Credence Solar:** As a Solar PV Modules manufacturer our commitment is simple: High-power Solar energy that is reliable and efficient. Our main priorities are Performance and reliability.

We are on a mission: To build a sustainable future, to fight the climate change and to reduce the carbon footprint. We want to shift the future into a better world and we want to show you how you can be a part of this mission. Join us in a journey to change the world.

We've only just begun & soon you'll find us Chasing The Sun..!

To achieve what we have dreamt, our modules are manufactured under one of the top class latest & most advanced state of art manufacturing facility with fully automatic line and having the latest testing facility located in Rajkot, Gujarat, India.



**Half Cut Cell Design With Multi Bus Bar Technology**



**1500V DC System Voltage**



**Higher Efficiency**



**Lower LCOE & BOS**



**PID Tested**



**Design Load 5400 Pa**



**2 Stage 100% EL Inspected**

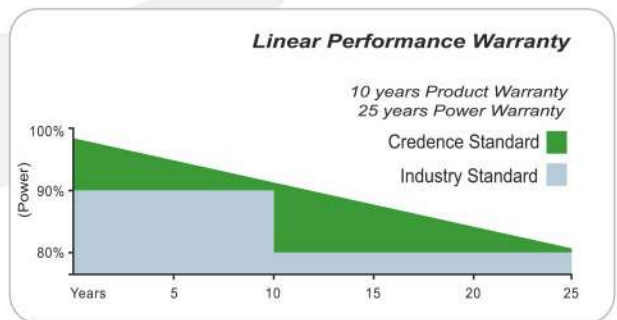
**Certifications**

**Organization Certificates:**

- ISO 9001:2015-Quality Management
- ISO 14001:2015-Environmental Management\*
- ISO 18001:2007-Occupational Health&Safety\*
- ISO 50001:2011-Energy Management\*

**Product Certificates:**

- IEC 61215\*
  - IEC 61730-1 & 2\*
  - IEC 62804\*
  - IEC 61701\*
- \* Under Process



**ELECTRICAL PARAMETERS (STC\*):**

| Model        | Voc (V) | Vmp (V) | Imp (A) | Isc (A) | Pmax (W) | Eff (%) |
|--------------|---------|---------|---------|---------|----------|---------|
| CS-QB555-110 | 37.85   | 31.90   | 17.45   | 18.55   | 555      | 21.25   |
| CS-QB550-110 | 37.80   | 31.80   | 17.35   | 18.40   | 550      | 21.05   |
| CS-QB545-110 | 37.75   | 31.70   | 17.20   | 18.30   | 545      | 20.90   |
| CS-QB540-110 | 37.65   | 31.60   | 17.10   | 18.15   | 540      | 20.70   |
| CS-QB535-110 | 37.62   | 31.50   | 17.00   | 18.10   | 535      | 20.50   |

\*STC (Standard Test Conditions): Irradiance 1000W/m<sup>2</sup>, Temperature 25°C, Spectrum at AM 1.5G.

**ELECTRICAL PARAMETERS (NMOT\*):**

| Model        | Voc (V) | Vmp (V) | Imp (A) | Isc (A) | Pmax (W) | Eff (%) |
|--------------|---------|---------|---------|---------|----------|---------|
| CS-QB555-110 | 34.42   | 28.76   | 14.02   | 14.90   | 403      | 19.30   |
| CS-QB550-110 | 34.38   | 28.67   | 13.94   | 14.78   | 400      | 19.15   |
| CS-QB545-110 | 34.33   | 28.58   | 13.82   | 14.70   | 395      | 18.90   |
| CS-QB540-110 | 34.24   | 28.49   | 13.73   | 14.58   | 391      | 18.75   |
| CS-QB535-110 | 34.21   | 28.40   | 13.65   | 14.54   | 388      | 18.55   |

\*NMOT (Nominal Module Operating Temperature): Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum at AM 1.5G, Wind speed at 1m/s. (NOCT is similar to NMOT)

**STC with 10% gain from Rear side:**

| Model        | Voc (V) | Vmp (V) | Imp (A) | Isc (A) | Pmax (W) | Eff (%) |
|--------------|---------|---------|---------|---------|----------|---------|
| CS-QB555-110 | 37.85   | 31.90   | 19.20   | 20.41   | 610      | 23.40   |
| CS-QB550-110 | 37.80   | 31.80   | 19.09   | 20.24   | 605      | 23.15   |
| CS-QB545-110 | 37.75   | 31.70   | 18.92   | 20.13   | 600      | 22.95   |
| CS-QB540-110 | 37.65   | 31.60   | 18.81   | 19.97   | 594      | 22.75   |
| CS-QB535-110 | 37.62   | 31.50   | 18.70   | 19.91   | 589      | 22.55   |

**Design Specifications:**

|                        |  |
|------------------------|--|
| Cell Type              | 210mm- 12BB Mono PERC Crystalline- Bi-Facial |
| Cell Configuration     | 110 (11 x 5 x 2) Half Cut Cells              |
| Operating Temperature  | -40°C to +85°C                               |
| Max. System Voltage    | 1500V DC                                     |
| Max.Series Fuse Rating | 30A (Recommended)                            |
| Application Class      | A  |
| Safety Class           | C  |
| Junction Box Type      | Split JB IP68                                |
| Output Cable Length    | 300mm (1000mm/1200mm upon request)           |

**Dimensional & Packing Details:**

|                    |                    |
|--------------------|--------------------|
| Dimensions         | 2384 x 1096 x 35mm |
| Weight             | 32.70kg            |
| Modules/ Pallet    | 30 Nos             |
| 19Ft Truck         | 300 Nos            |
| 40 Ft HQ Container | 600 Nos            |

**Temperature Coefficients:**

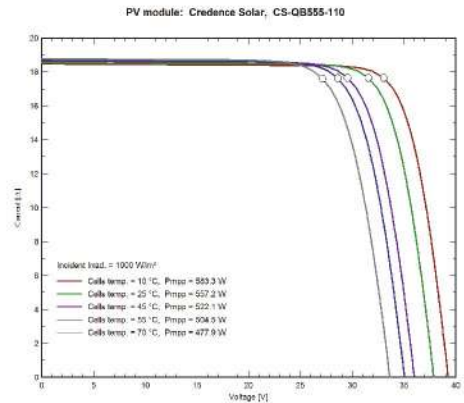
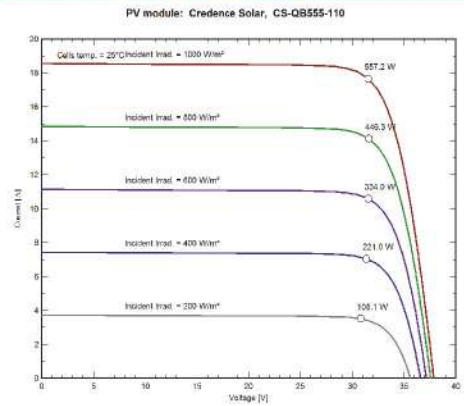
|               |           |
|---------------|-----------|
| Power (Pmax)  | -0.38%/°C |
| Voltage (Voc) | -0.36%/°C |
| Current (Isc) | +0.07%/°C |
| NMOT/ NOCT    | 44±2 °C   |

**Other Quasar-Bi Products:**

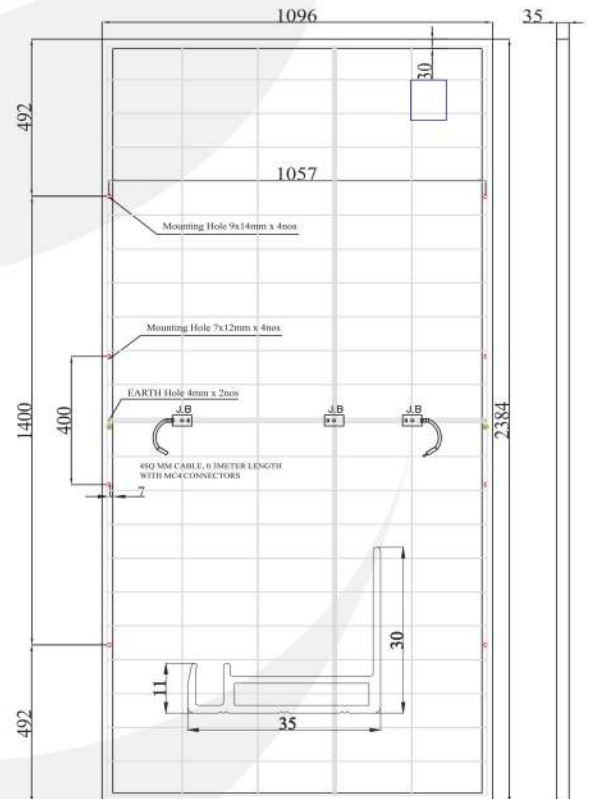
- CS-QBxxx-132 - 650Wp - 670Wp
- CS-QBxxx-120 - 585Wp - 605Wp

Data sheets are available upon request.

**Reference IV Curve Detail:**



**Rear View & Mounting Detail:**



All Dimensions are in mm; Tolerance: ±2mm

The technical data and specifications are mentioned in the data sheet may changed without prior notice due to continuous improvements and innovations in the product. Please contact marketing for the latest updates and data sheet before finalizing the Order. Please be advised that Solar PV modules should be handled and installed by qualified personnel and please Refer Installation, Operation & Maintenance Manual before handling and start installation for safety & installation.