

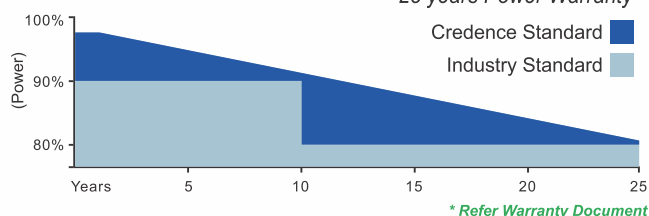
## Quasar-Bi

Half Cut Mono PERC Glass to Glass  
Bi-Facial Module

**685+ W**  
Efficiency up to  
**>22.05%**

### Linear Performance Warranty

10 years Product Warranty  
25 years Power Warranty



### Organization Certificates:



### Product Certificates:



IS 14286 | IS/IEC 61730-1/2 | IEC 61215  
IEC 61730-1/2 | IEC 62804 | IEC 61701



Half Cut Cell Design with  
Multi Bus Bar Technology



Round Ribbon Technology



Higher Efficiency



Lower LCOE & BOS



PID Tested



1500V DC System Voltage



3 Stage EL Inspected



5400Pa Down / 2400Pa Up

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

Model	Voc (V)	Vmp (V)	Imp (A)	Isc (A)	Pmax (W)	Eff (%)
CS-QB685-132	45.80	38.50	17.80	18.85	685.0	22.05
CS-QB680-132	45.65	38.45	17.70	18.80	680.0	21.90
CS-QB675-132	45.55	38.40	17.60	18.70	675.0	21.75
CS-QB670-132	45.40	38.25	17.55	18.65	670.0	21.60
CS-QB665-132	45.35	38.20	17.45	18.55	665.0	21.50

\*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-QB685-132	41.65	34.71	14.30	15.14	497.0	20.00
CS-QB680-132	41.52	34.67	14.22	15.10	493.0	19.80
CS-QB675-132	41.42	34.62	14.14	15.02	490.0	19.70
CS-QB670-132	41.29	34.49	14.10	14.98	486.0	19.60
CS-QB665-132	41.24	34.44	14.02	14.90	483.0	19.50

\*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-QB685-132	45.80	38.50	19.58	20.75	753.0	24.30
CS-QB680-132	45.65	38.45	19.47	20.70	748.0	24.10
CS-QB675-132	45.55	38.40	19.36	20.60	742.0	23.95
CS-QB670-132	45.40	38.25	19.31	20.50	737.0	23.75
CS-QB665-132	45.35	38.20	19.20	20.41	732.0	23.60

**Design Specifications:**

Cell Type	210mm- 12BB Mono PERC Crystalline- Bi-Facial
Cell Configuration	132 (11 x 6 x 2) Half Cut Cells
Operating Temperature	-40°C to +85°C
Max. System Voltage	1500V DC
Max.Series Fuse Rating	30A
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 1303 x 35mm (Glass to Glass with Frame)
Weight	39.75 kg
Modules/ Pallet	28 Nos
19Ft Truck	224 Nos
40 Ft HQ Container	560 Nos

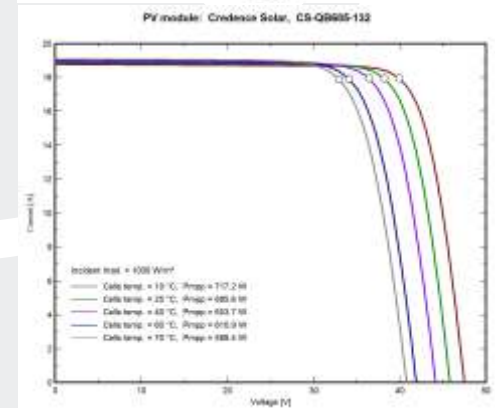
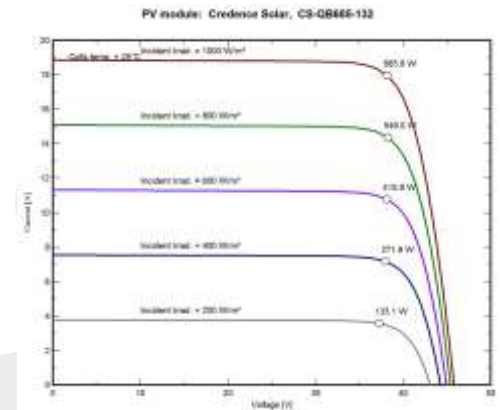
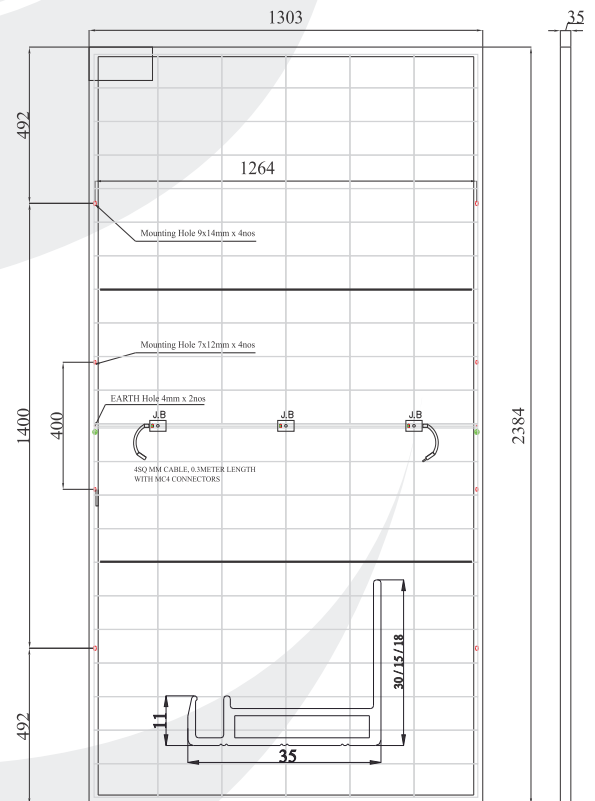
**Temperature Coefficients:**

Power (Pmax)	-0.222%/°C
Voltage (Voc)	-0.211%/°C
Current (Isc)	+0.039%/°C
NMOT/ NOCT	44±2 °C

**Other Quasar-Bi Products:**

- CS-QBxxx-120 - 585Wp - 620Wp
- CS-QBxxx-110 - 535Wp - 570Wp

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.

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