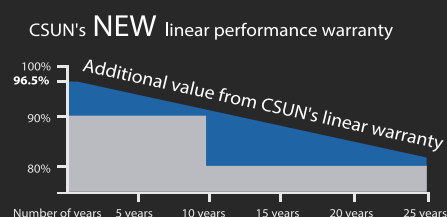


Mono

The power output shall not be less than 96.5% of the minimum power output stated in the product data sheet in the first year of the product's life cycle. The loss of power output shall not exceed 0.7% per year thereafter, ending with 80.18% in the 25th year.

■ CSUN ■ Standard warranty



Munich RE
Munich RE providing Reinsurance



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CSUN 320-60M-BB

High efficiency PERC tech for esthetic applications

Module Fire Performance: Type 1 (UL 1703)

Fire Resistance Rating: Class C (IEC 61730)

CSUN 315-60M-BB

CSUN 325-60M-BB

CSUN 320-60M-BB

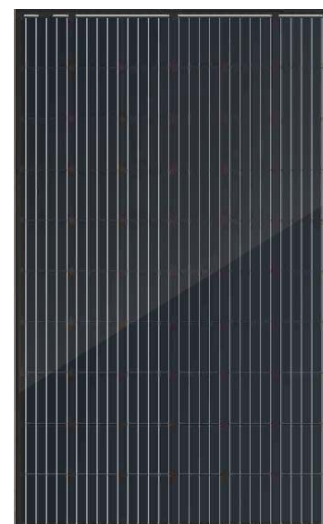
CSUN 330-60M-BB

19.40%
Module efficiency

330 W
Highest power output

10 years
Material & workmanship warranty

25 years
Linear power output warranty



Industry leading conversion efficiency



Certificated to withstand wind (2400 Pa) and snow load (5400 Pa)



Positive tolerance offer



Excellent performance under weak light condition



Passed salt mist & ammonia corrosion, blowing sand and hail testing



Good temperature coefficient enables better output in hot climates

All information and data are subject to change without notice and are provided without liability.

Electrical Characteristics at Standard Test Conditions (STC)

Module Type	CSUN 315-60M-BB	CSUN 320-60M-BB	CSUN 325-60M-BB	CSUN 330-60M-BB
Maximum Power - Pmpp (W)	315	320	325	330
Positive Power Tolerance	±5W	±5W	±5W	±5W
Open Circuit Voltage - Voc (V)	40.53	40.78	41.04	41.30
Short Circuit Current - Isc (A)	10.11	10.18	10.25	10.32
Maximum Power Voltage - Vmpp (V)	32.89	33.17	33.44	33.75
Maximum Power Current - Impp (A)	9.58	9.65	9.72	9.78
Module Efficiency	19.1%	19.4%	19.7%	20%

Electrical data relates to standard test conditions (STC) : irradiance 1000W/m² ; AM 1.5 ; cell temperature 25°C measuring uncertainty of power is within ±3%. Certified in accordance with IEC61215, IEC61730-1/2 and UL 1703.

Electrical Characteristics at Nominal Operating Cell Temperature (NOCT)

Module Type	CSUN 315-60M-BB	CSUN 320-60M-BB	CSUN 325-60M-BB	CSUN 330-60M-BB
Maximum Power - Pmpp (W)	233	237	241	244
Open Circuit Voltage - Voc (V)	38.25	38.56	38.85	39.16
Short Circuit Current - Isc (A)	7.79	8.01	8.05	8.09
Maximum Power Voltage - Vmpp (V)	31.00	31.32	31.64	31.96
Maximum Power Current - Impp (A)	7.52	7.56	7.60	7.64

Electrical data relates to nominal operating cell temperature (NOCT): irradiance 800 W/m² ; wind speed 1 m/s ; cell temperature 45°C ambient temperature 20°C measuring uncertainty of power is within ±3%

Temperature Characteristics

Voltage Temperature Coefficient	-0.307%/K
Current Temperature Coefficient	+0.039%/K
Power Temperature Coefficient	-0.423%/K

Maximum Ratings

Maximum System Voltage (V)	1000&1500
Series Fuse Rating (A)	20
Reverse Current Overload (A)	27

Mechanical Characteristics

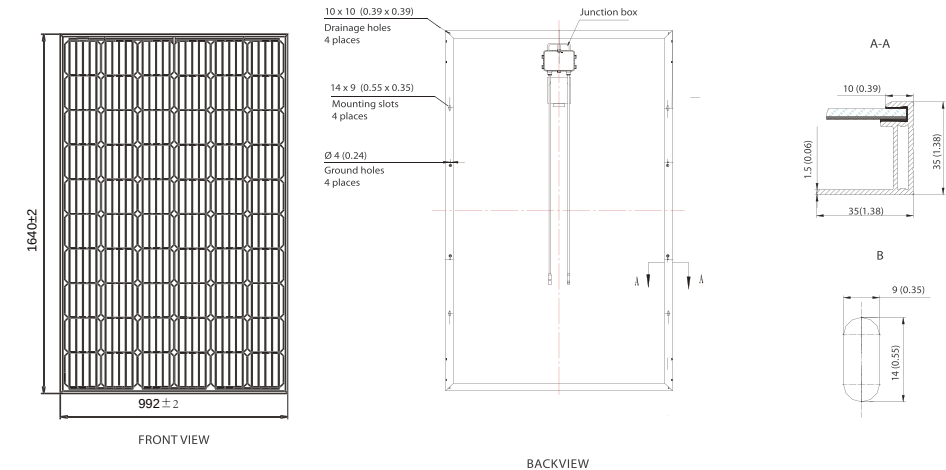
Dimensions	1640× 992 × 35 mm
Weight	18.4 kg ± 3%
Frame	Anodized aluminum profile
Front Glass	Toughened low iron glass,3.2mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film
Cells	6 × 10 monocrystalline solar cells
Junction Box	Rated current ≥13 A, IP ≥ 67 , TUV & UL
Cable	Length 900 mm, 1 × 4 mm ²
Connector	Compatible with MC4

System Design

Temp. Range	-40°C to + 85°C
Hail	Max. diameter of 25mm with impact speed of 23m/s
Max. Capacity	Snow 5400 Pa, wind 2400 Pa
Application Class	A
Safety Class	II

Dimensions

Note: mm (inch)



IV-Curves

