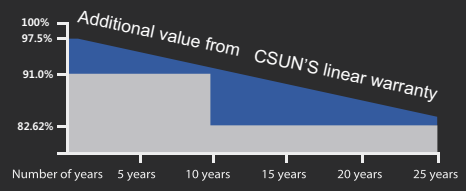
Galaxy Series Standard Modlules

The power output shall not be less than 97.5% of the minimum power output stated in the product datasheet in the first year of the product's life cycle.
The loss of power output shall not exceed 0.62% per year thereafter, ending with 82.62%in the 25th year.

CSUN Standard warranty

CSUN's NEW linear performance warranty



Munich RE
Munich Re providing Re in surance

CSUN
energy for today

CSUN 285-60P

High effciency PERC tech for esthetic applications

Module Fire Performance:Type 1 (UL 1703)
Fire Resistance Rating:Class C (IEC 61730)

CSUN270-60P CSUN275-60P
CSUN280-60P CSUN285-60P

17.52%
Module efficiency

285W
Highest power output

12 Year
Material& workmanship warranty

25 Year
Linear power output warranty

- Industry leading conversion efficiency
- Certificated to withstand wind (2400Pa) and snow load(5400Pa)
- 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.

www.csunsolartech.com

Electrical Characteristics at Standard Test Conditions (STC)

Module Type	CSUN270-60P	CSUN275-60P	CSUN280-60P	CSUN285-60P
Maximum Power(Pmpp)[W]	270	275	280	285
Positive Power Tolerance[W]	0~5	0~5	0~5	0~5
Open Circuit Voltage(Voc)[V]	38.3	38.4	38.5	38.6
Short Circuit Current(Isc) [A]	9.19	9.27	9.36	9.49
Maximum Power Voltage(Vmpp)[V]	31.2	31.3	31.4	31.6
Maximum Power Current(Impp)[A]	8.67	8.79	8.92	9.02
Module Efficiency	16.60%	16.90%	17.21%	17.52%

Electrical data relates to standard test conditions(STC): irradiance 1000W/m^2; AM1.5; cell temperature 25℃ measuring uncertainty of power is within ±3%. Certified in accordance with IEC61215,IEC61730-1/2 and UL1703.

Electrical Characteristics at Nominal Operating Cell Temperature(NOCT)

Module Type	CSUN270-60P	CSUN275-60P	CSUN280-60P	CSUN285-60P
Maximum Power(Pmpp)[W]	200	203	207	211
Open Circuit Voltage(Voc)[V]	35.5	35.6	35.7	35.7
Short Circuit Current(Isc) [A]	7.42	7.48	7.55	7.66
Maximum Power Voltage(Vmpp)[V]	28.9	29.0	29.0	29.2
Maximum Power Current(Impp)[A]	6.93	7.02	7.13	7.21

Electrical data relates to nominal operating cell temperature(NOCT): irradiance 800W/m^2;wind speed 1m/s; cell temperature 45℃ ambient temperature 20℃ measuring uncertainty of power is within ±3%.

Temperature Characteristics

Voltage Temperature Coefficient	-0.292%/℃
Current Temperature Coefficient	+0.045%/℃
Power Temperature Coefficient	-0.408%/℃

Maximum Ratings

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

Mechanical Characteristics

Dimensions	1640×992×35mm - frame thickness upon request
Weight	18.3kg
Frame	Anodized aluminum profile-black frame upon request
Front Glass	Toughened low iron glass,3.2mm
Cell Encapsulation	EVA(Ethylene-Vinyl-Acetate)
Back Sheet	Composite film-black back sheet upon request
Cell	60(6×10) polycrystalline solar cells (156.75×156.75)
Junction Box	Rated current≥12A, IP≥65, TUV&UL
Cable	Length 900mm,1×4mm^2
Connector	MC4/compatible with MC4

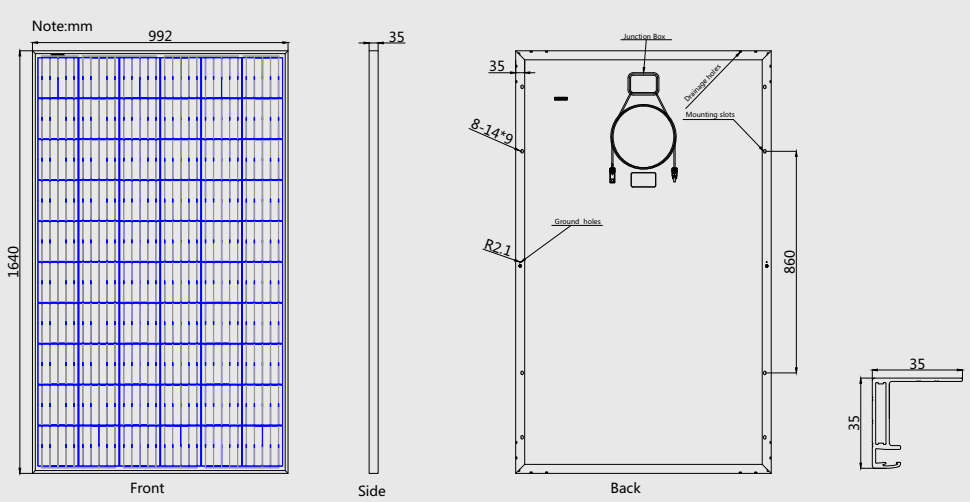
Packaging

Container 20'	372pcs.
Container 40'	868pcs.
Container 40'HC	938pcs.

System Design

Temp.Range	-40°F to +185°F(-40℃ to +85℃)
Hail	Max. diameter of 0.98"(25mm)with impact speed of 51.2mph(23m/s)
Max.Capacity	Wind 2400Pa, snow 5400Pa-7200Pa upon request
Application Class	A
Safety Class	II

Dimensions



I-V Curves