

CSUN 72P

High Efficiency Poly Panel

CSUN320-72P CSUN335-72P
CSUN325-72P CSUN340-72P
CSUN330-72P CSUN345-72P

17,82%

Maximum efficiency

320-345 W

Power output range

0~+5W

Positive tolerance

25 years

Linear power output warranty
97.5% - 0.7% - 80.7%



Innovative cell
and module
technology



Positive
tolerance
offer



Unique 5 busbar
design improves
reliability of
module
performance



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



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



Excellent
performance
under low
light
conditions

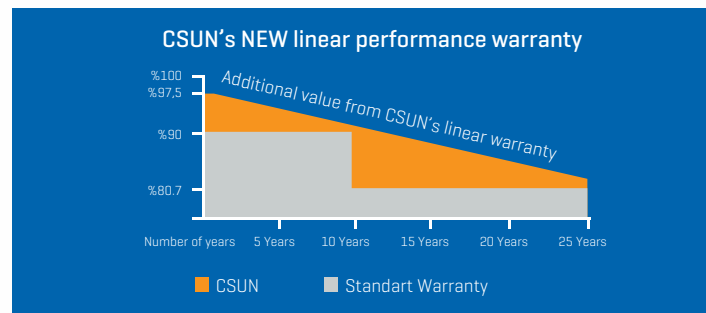


Good temperature
coefficient for
better
output in high
temperature
regions

**Powerguard
insurance
global coverage**

PowerGuard™
SPECIALTY INSURANCE SERVICES

Within the first year, the output power shall not be less than 97,5% of the minimum output power in CSUN's product datasheet, thereafter the loss of output power shall not exceed 0.7% per year, ending with 80.7% in the 25th year.



Electrical Characteristics at Standard Test Conditions [STC]

Module	CSUN345-72P	CSUN340-72P	CSUN335-72P	CSUN330-72P	CSUN325-72P	CSUN320-72P
Maximum Power - P _{mpp} [W]	345	340	335	330	325	320
Positive Power Tolerance	0 ~+5W	0 ~+5W	0 ~+5W	0 ~+5W	0 ~+5W	0 ~+5W
Open Circuit Voltage - Voc [V]	46,94	46,71	46,49	46,21	46,02	45,89
Short Circuit Current - Isc [A]	9,45	9,39	9,31	9,24	9,15	9,07
Maximum Power Voltage - V _{mpp} [V]	38,43	38,16	37,95	37,79	37,52	37,34
Maximum Power Current - Impp [A]	8,99	8,93	8,85	8,76	8,68	8,58
Module Efficiency	17,82%	17,56%	17,30%	17,04%	16,78%	16,53

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 Normal Operating Cell Temperature [NOCT]

Module	CSUN345-72P	CSUN340-72P	CSUN335-72P	CSUN330-72P	CSUN325-72P	CSUN320-72P
Maximum Power - P _{mpp} [W]	253	250	246	242	239	235
Maximum Power Voltage - V _{mpp} [V]	36,19	35,93	35,73	35,58	35,33	35,16
Maximum Power Current - Impp [A]	8,46	8,41	8,33	8,25	8,17	8,08
Open Circuit Voltage - Voc [V]	44,20	43,98	43,77	43,51	43,33	43,21
Short Circuit Current - Isc [A]	7,49	7,44	7,38	7,33	7,25	7,19

Electrical data relates to normal operating cell temperature (NOCT): irradiance 800W /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	-0.292%/K
Current Temperature Coefficient	+0.045%/K
Power Temperature Coefficient	-0.408%/K

Maximum Ratings

Maximum System Voltage [V]	1500
Series Fuse Rating [A]	20
Reverse Current Overload [A]	27

Mechanical Characteristics

Dimensions	1956 x 990 x 50mm
Weight	21.5kg
Frame	Anodized aluminium profile
Front Glass	White toughened safety glass, 3.2mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film
Cells	6 x 12 polycrystalline solar cells (156.75 x 156.75mm)
Junction Box	Rated Current ≥ 12A, IP ≥ 65, TUV8UL
Cable	Length 900mm, 1 x 4mm ²
Connector	MC 4 / Compatible with MC 4

Packaging

Container 20'	210 pcs.
Container 40'	504 pcs.
Container 40' HC	552 pcs.

System Design

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

Dimensions

