

CST-NH12/66GDF

690-700W N-HJT

132 HALF-CELL BIFACIAL SOLAR MODULE

Characteristic



No Bo-lid
No B0-LID, excellent anti-LeTID & anti-PID performance. Low power degradation, high energy yield.



Leading Warranty
15-year product warranty and 30-year linear performance warranty, the power will remain above 88% during the service life.



Superior Power
The maximum power output has reached 770w from both sides, which can effectively reduce the LCOE and bring more investment returns to customers.

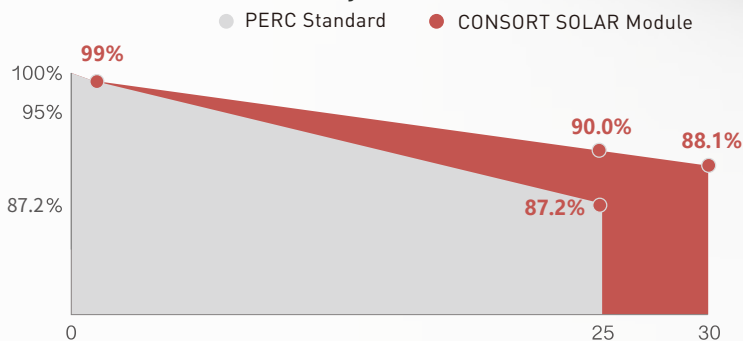


Low Temperature Welding
Adopt the low-temperature ribbon and low-temperature flux, granting reliability and performance.

22.53%

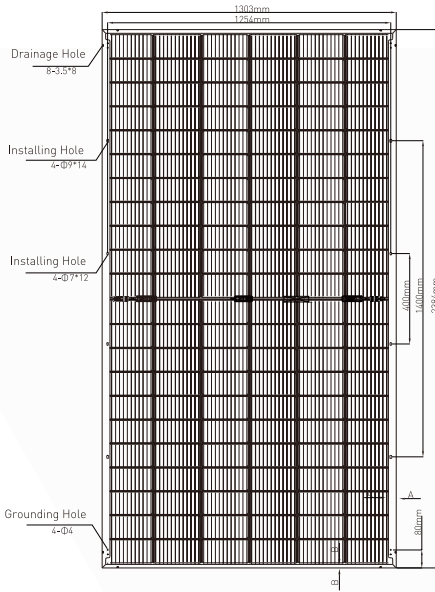
Max Module
Efficiency

Consort Linear Warranty

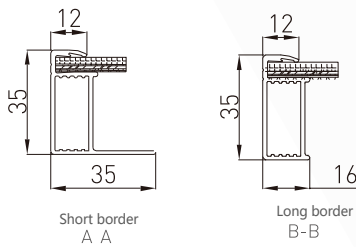


- 15 year Product Warranty
- 30 Year Linear Power Warranty
- 0.375% Annual Degradation Over 30 Years

ENGINEERING DRAWING (mm)



FRAME CROSS SECTION (mm)



Shipping Configurations

	HC
Container Size	40'
Pallets Per Container	18
Modules Per Pallet (pcs)	31
Modules Per Container (pcs)	558

Electrical Characteristics (STC/BSTC)

PV module model	CST-NH12/66GDF 680	CST-NH12/66GDF 685	CST-NH12/66GDF 690	CST-NH12/66GDF 695	CST-NH12/66GDF 700
Front Side	STC	STC	STC	STC	STC
Maximum Power - Pmax(W)	680	685	690	695	700
Open Circuit Voltage - Voc(V)	49.50	49.66	49.82	49.98	50.13
Short Circuit Current - Isc(A)	17.19	17.25	17.31	17.37	17.43
Voltage at Pmax-Vmp(V)	41.49	41.65	41.80	41.95	42.10
Current at Pmax-Imp(A)	16.39	16.45	16.51	16.57	16.63
Module Efficiency-ηm(%)	21.89	22.05	22.21	22.37	22.53
Power Output Tolerance(W)	0~+5				

STC: Irradiance 1000 W/m², cell Temperature 25°C, AM=1.5, Tolerance of Pmax is within +/- 3%

Front Side	BSTC	BSTC	BSTC	BSTC	BSTC
Maximum Power - Pmax(W)	750	755	760	765	770
Open Circuit Voltage - Voc(V)	49.50	49.66	49.82	49.98	50.13
Short Circuit Current - Isc(A)	18.96	19.01	19.07	19.12	19.17
Voltage at Pmax-Vmp(V)	41.49	41.65	41.80	41.95	42.10
Current at Pmax-Imp(A)	18.08	18.13	18.19	18.24	18.29

BSTC: Front side irradiation 1000W/m², back side reflection irradiation 135W/m², AM=1.5, ambient temperature 25°C

Mechanical Data

Cell Type	HJT Mono 210x105mm
Cell Connection	132(66x2)
External Dimensions	2384x1303x35mm
Weight	38.7kg
Maximum System Voltage	DC1500V(IEC)
Maximum Series Fuse	30A
Bifaciality	80%±5%
Glass Thickness	(F) 2.0mm solar glass (B) 2.0mm solar glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Output Cables	4.0mm ² , 280 mm in length, length can be customized/UV resistant
Front Load	5400Pa
Rear Load	2400Pa

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	44±2°C
Temperature Coefficiency of Pmax	-0.26°C
Temperature Coefficiency of Voc	-0.24°C
Temperature Coefficiency of Isc	0.04°C