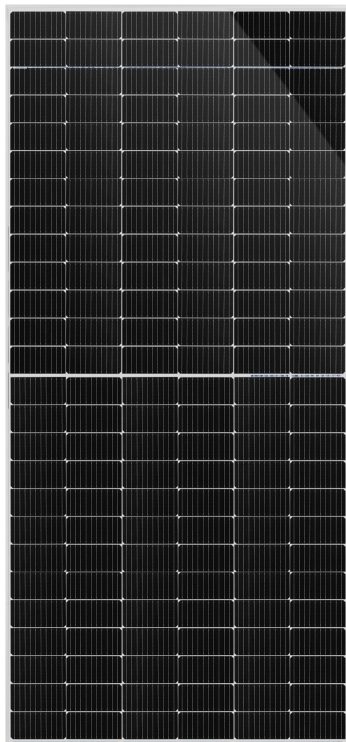




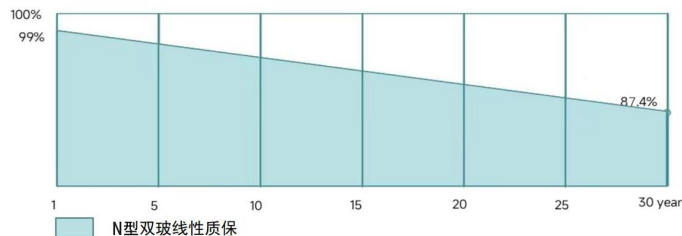
INFIMOTION NEW ENERGY CORP.

a solar energy company

Double Glass Topcon Module CSGxxxNS2DGHC-156 (xxx=615W-635W)



CSG Module Superior Warranty



Warranty: 30 years performance warranty.

The product's power output loss, relative to its rated output power under standard test conditions (STC), will not exceed 1.0% in the first year and 0.4% annually from the 2nd to the 30th year. By the end of the last year, the power output will be at least 87.4% of the original factory nominal value.



Production Performance



With over 40 years of experience, CSG owns the entire industry chain, including silicon materials, wafers, glass, cells, modules, and power stations. Certified under ISO 9001:2015 and ISO 14001:2015, CSG ensures its products



Certified by TÜV Rheinland and CQC testing agencies, CSG modules perform well under extreme conditions (Temperature, Load, and Impact).



Great weak-light performance was verified by authoritative third-party testing, ensuring that module works well in the morning, evening, and on cloudy days.



Guarantee from 0 to +6W as power tolerance.



Rigorous testing protocols, including three successive 100% EL tests conducted before and after lamination, as well as on the finished product guarantee high-quality of product.



Passed TUV salt spray test, ammonia resistance test, PID test, carbon footprint test, fire resistance test, sand drop test, EMC test, and LVD test.

Add: CSG Green Energy Industrial Park, MaChong Road, MaChong Town, DongGuan, GUANG DONG

Tel: 86+0769-88288520 86+0769-88288495

Fax: 86+0769-88288160

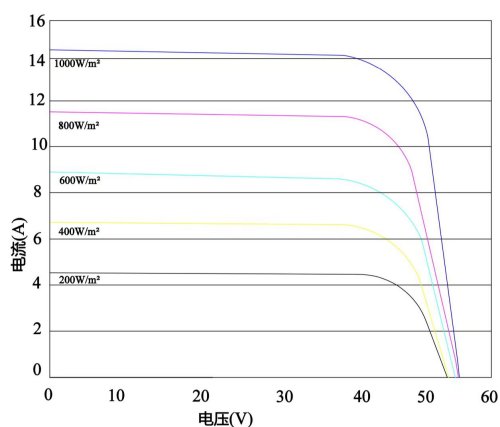
Web: <https://www.csgrpvtch.com>

Web: www.csgholding.com

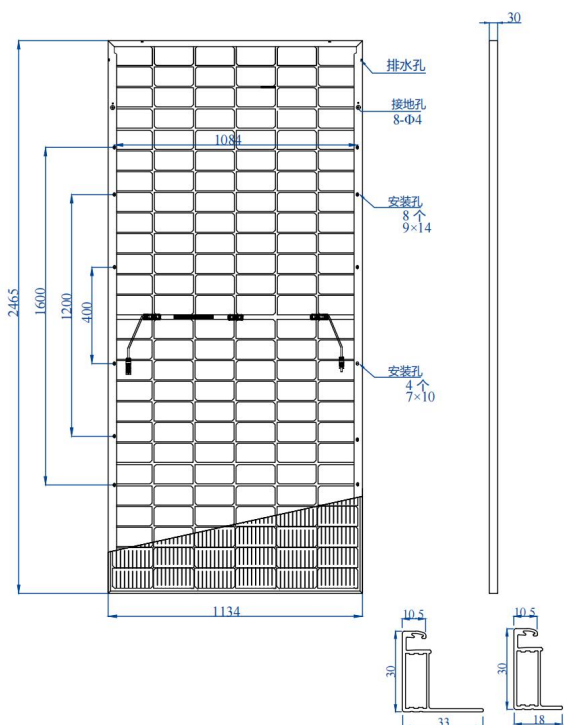
I-V

Current-voltage curves for CSG 615W PV

modules under varying light intensities



Product Drawing



Electricity Parameters at STC

	Topcon cell182×91mm 156 片(6×13×2)—16BB				
Max power(W)	615	620	625	630	635
Power Tolerance	0 ~ +6W				
Voltage at Pmax (Vmp)	45.77	45.93	46.10	46.27	46.44
Current at Pmax (Imp)	13.44	13.5	13.56	13.62	13.68
Open circuit voltage (Voc)	55.44	55.58	55.72	55.86	55.99
Short circuit current (Isc)	14.19	14.27	14.35	14.43	14.51
Max system voltage (VDC)	1500				
Module efficiency (%)	22.0	22.18	22.36	22.53	22.71
Number of bypass diodes	3				
Max series fuse(A)	30A				
Temp coefficient of Pmax	-0.350%/°C				
Temp coefficient of Voc	-0.284%/°C				
Temp coefficient of Isc	0.050%/°C				
Operating temp of Cell.	45±2 °C				

STC: 1000W/m2, 1.5AM, Cell Temperature 25 °C

Mechanical data

Cable type, length, and diameter	Φ=4mm2, L=300±5mm (length can be customized)
Connector	Compatible with MC4 plug
Module dimension A×B×C	2465×1134×30mm
Weight	34kg
Drain holes(pcs)	8
Structure	Double glass: tempered glass, thickness 2.0mm+2.0mm Encapsulation film: EVA/POE
Junction box	IP68
Frame	Anodized aluminum alloy

Qualification test parameters

Dielectric insulation voltage	Max 6000VDC
Operating temp.	-40°C ~ +85°C
Max static load	5400Pa
Hail stone impact	Diameter 25mm, speed 23m/s
Fire rating	Class A

Module per container

Module per box	36pcs/box
Module per container	576pcs/40HQ
Modules per flatcar	720pcs/13.5m 828pcs/17.5m