





CST-M12/60BH

595-605W PERC

120 HALF-CELL MONOFACIAL ALL-BLACK MODULE

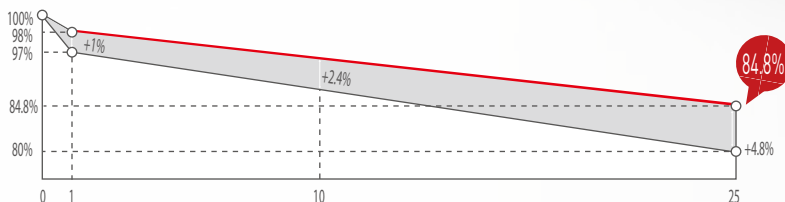
Characteristic

- 
Super Safety and Reliability
 No hidden welding crack, low operating temperature, high pressure resistance
- 
Low Hot Spot Risk
 Parallel circuit design reduces shading loss
- 
Beautiful Appearance
 Uniform layout, better aesthetic
- 
Low System Cost
 High module efficiency, reducing system cost

21.6%

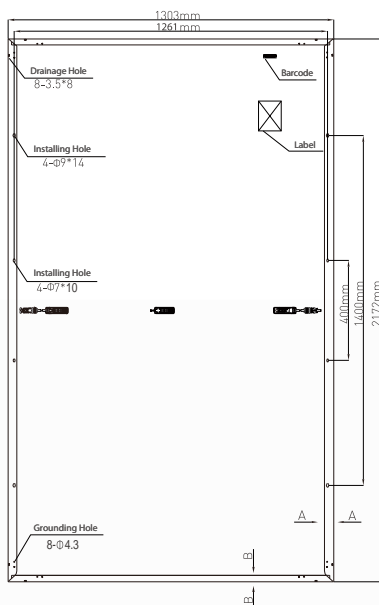
Max Module
Efficiency

Consort Linear Warranty

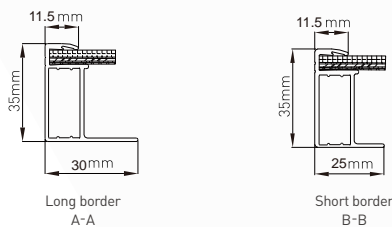


- 12 year Product Warranty
- 25 Year Linear Power Warranty
- 0.55% Annual Degradation Over 25 Years

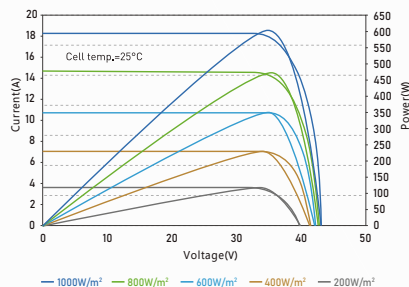
ENGINEERING DRAWING (mm)



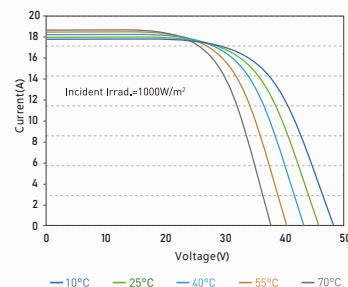
FRAME CROSS SECTION (mm)



I-V/P-V CURVE AT DIFFERENT IRRADIATION (605W)



I-V CURVE AT DIFFERENT TEMPERATURE (605W)



Electrical Characteristics (STC/NMOT)

PV module model	CST-M12/60BH 590		CST-M12/60BH 595		CST-M12/60BH 600		CST-M12/60BH 605		CST-M12/60BH 610	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power - Pmax(W)	590	446.4	595	450.2	600	454.0	605	457.7	610	461.5
Open Circuit Voltage - Voc(V)	41.05	38.67	41.25	38.86	41.45	39.05	41.65	39.24	41.85	39.43
Short Circuit Current - Isc(A)	18.45	14.87	18.50	14.92	18.55	14.96	18.61	15.00	18.66	15.04
Voltage at Pmax-Vmp(V)	33.96	31.69	34.16	31.88	34.36	32.06	34.56	32.25	34.76	32.43
Current at Pmax-Imp(A)	17.37	14.09	17.41	14.12	17.46	14.16	17.50	14.19	17.55	14.23
Module Efficiency-ηm(%)	20.8		21.0		21.2		21.4		21.6	
Power Output Tolerance(W)	0~+5									

STC: Irradiance 1000 W/m², Module Temperature 25°C, Air Mass AM1.5

NMOT: Irradiance 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Mechanical Data

Number of Cells	210mm monocrystalline 120 pieces (60x2)
External Dimensions	2172x1303x35mm
Weight	30.9kg
Front glass	High transparency solar glass 3.2mm
Frame	Black, Anodized aluminum alloy
Junction Box	IP68 rated
Output Cables	4.0mm ² , 280 mm in length, length can be customized/UV resistant
Wind/Snow Load	2400Pa/5400Pa
Connector	MC4 compatible

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	43±2°C
Isc Temperature Coefficient	+0.05%/°C
Voc Temperature Coefficient	-0.28%/°C
Pmax Temperature Coefficient	-0.36%/°C

Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	30A

Power measurement error + / - 3%

Packaging Configuration

Module per pallet	31 pieces
Modules per 40' container	558 pieces

PARAMETER