

CST-M8/60H

380-390W PERC

120 HALF-CELL MONOFACIAL MODULE

Characteristic



Better light trapping and current collection
Improve module power output and reliability



PID Resistance
Excellent Anti-PID performance guarantee via optimized mass-production process and materials control



Optimized electrical design
lower operating current for reduced hot spot loss and better temperature coefficient

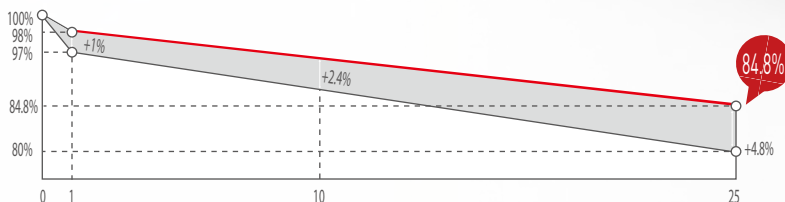


Enhanced Mechanical Load
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal)

21.4%

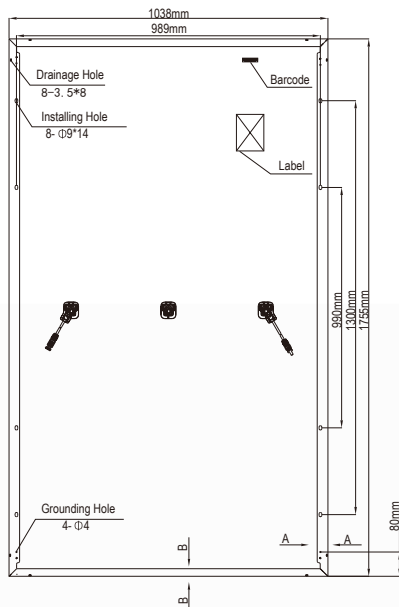
Max Module
Efficiency

Consort Linear Warranty

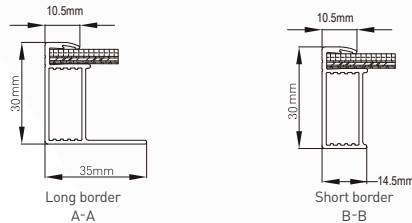


- 12 year Product Warranty
- 25 Year Linear Power Warranty
- 0.55% Annual Degradation Over 25 Years

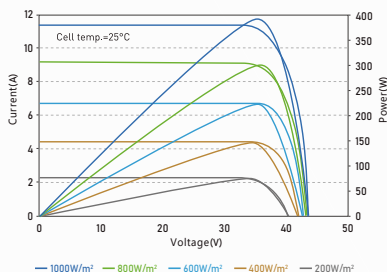
ENGINEERING DRAWING (mm)



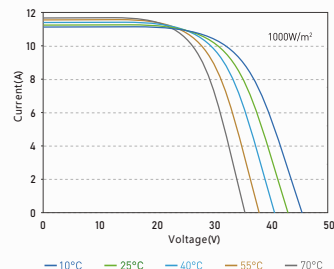
FRAME CROSS SECTION (mm)



I-V/P-V CURVE AT DIFFERENT IRRADIATION (385W)



I-V CURVE AT DIFFERENT TEMPERATURE (385W)



Electrical Characteristics (STC/NMOT)

PV module model	CST-M8/60H 375		CST-M8/60H 380		CST-M8/60H 385		CST-M8/60H 390	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power - Pmax(W)	375	280.6	380	284.1	385	287.5	390	291.0
Open Circuit Voltage - Voc(V)	41.50	38.88	41.79	39.12	42.07	39.36	42.35	39.60
Short Circuit Current - Isc(A)	11.36	9.18	11.40	9.21	11.44	9.24	11.48	9.29
Voltage at Pmax-Vmp(V)	35.05	32.46	35.42	32.74	35.72	33.02	36.05	33.30
Current at Pmax-Imp(A)	10.70	8.64	10.73	8.68	10.78	8.71	10.82	8.74
Module Efficiency-ηm(%)	20.6		20.9		21.1		21.4	
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	166mm monocrystalline 120 pieces (60x2)
External Dimensions	1755x1038x30mm
Weight	20kg
Front glass	High transparency solar glass 3.2mm
Frame	Black/Silver, Anodized aluminum alloy
Junction Box	IP68 rated
Output Cables	4.0mm ² , 230 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	20A

Power measurement error + / - 3%

Packaging Configuration

Module per pallet	36 pieces
Modules per 40' container	936 pieces

PARAMETER