CST-M8/60H

120 HALF-CELL MONOFACIAL MODULE
370-385W

MORE POWER

- Up to 385W front power and 21.1% module efficiency with half-cut and MBB (Multi Busbar) technology bringing more BOS savings
- Lower resistance of half-cut and good reflection effect of MBB ensure high power

- Better light trapping and current collection to improve module power output and reliability.

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

MORE RELIABLE

- Minimizes micro-crack impacts

- Ensured PID resistance through cell process and module material control

- Durability against extreme environmental conditions
- Resistant to salt, acid and ammonia

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

21.1%
MAX MODULE EFFICIENCY

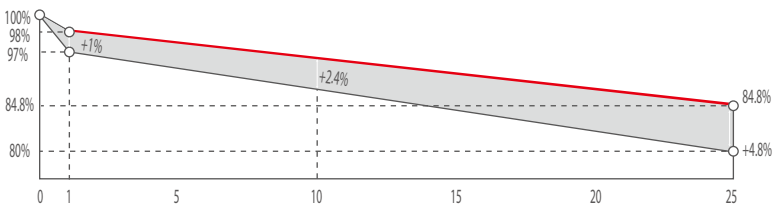
0~+5W
POSITIVE POWER TOLERANCE

* Please refer to Consort Solar Standard Module Installation Manual for details.

System and product certification

- IEC61215 / IEC61730 / IEC61701 / IEC62716
- ISO9001: Quality Management System
- ISO14001: Environment Management System
- OHSAS18001: Occupational Health and Safety System

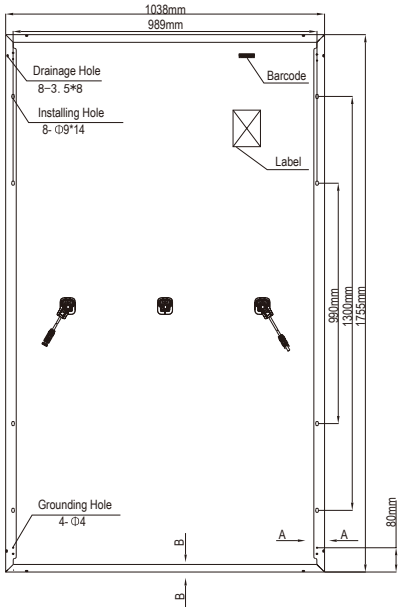
Industry-leading Warranty **



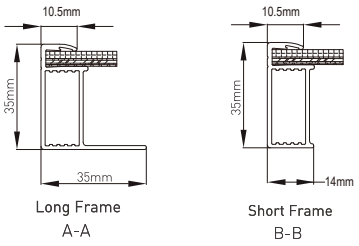
- First year power degradation: 2%
- Annual degradation: 0.55%
- Product warranty: 12 years
- linear warranty: 25 years

** Please refer to Consort Solar Limited Warranty for details.

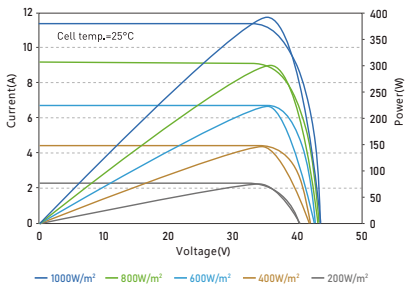
ENGINEERING DRAWING (mm)



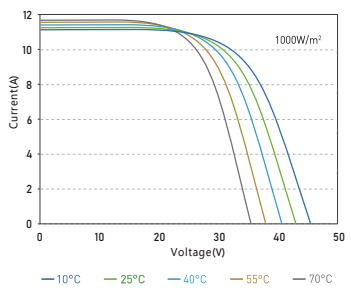
FRAME CROSS SECTION (mm)



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



I-V CURVE AT DIFFERENT TEMPERATURE (385W)



Electrical Characteristics(STC)

PV module model	CST-M8/60H 370	CST-M8/60H 375	CST-M8/60H 380	CST-M8/60H 385
Maximum Power - Pmax(W)	370	375	380	385
Open Circuit Voltage - Voc(V)	41.20	41.50	41.79	42.07
Short Circuit Current - Isc(A)	11.32	11.36	11.40	11.44
Voltage at Pmax-Vmp(V)	34.75	35.05	35.42	35.72
Current at Pmax-Imp(A)	10.65	10.70	10.73	10.78
Module Efficiency-ηm(%)	20.3	20.6	20.9	21.1
Power Output Tolerance(W)	0~+5			

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

Electrical Characteristics(NMOT)

Maximum Power - Pmax(W)	277.1	280.6	284.1	287.5
Open Circuit Voltage - Voc(V)	38.60	38.90	39.10	39.40
Short Circuit Current - Isc(A)	9.15	9.18	9.21	9.24
Voltage at Pmax-Vmp(V)	32.20	32.50	32.70	33.00
Current at Pmax-Imp(A)	8.61	8.64	8.68	8.71

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

Temperature Characteristics

Pmax Temperature Coefficient	-0.36%/℃
Voc Temperature Coefficient	-0.28%/℃
Isc Temperature Coefficient	+0.05%/℃
Operating Temperature	-40~+85℃
Nominal Module Operating Temperature (NMOT)	43±2℃

Mechanical Specifications

External Dimensions	1755x1038x35mm
Weight	20kg
Solar Cells	166mm monocrystalline 120(60x2)pcs
Front Glass	High transparency solar glass 3.2mm
Frame	Black/Silver, Anodized aluminum alloy
Junction Box	IP68 rated
Output Cables	length can be customized/4.0mm², Portrait: 230mm/230mm
Connector	MC4 Compatible
Wind/Snow Load	2400Pa/5400Pa
Maximum System Voltage	1500V DC
Max Series Fuse Rating	20A

Packing Configuration

Modules per pallet	31 pieces
Modules per 40′ container	858 pieces