

## CST585~605M12-60H

### 120-CELL HALF CUT Monocrystalline Solar Module

210mm Mono PERC Solar Cells(Half)

**605W**  
Maximum Power Output

**21.4%**  
Maximum Efficiency

**0~+5W**  
Positive Power Tolerance

#### 体系及产品认证

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



#### Large size 210mm , High power

Large size, high power modules can reduce the cost of supports, junction boxes, cables and land, thus diluting the cost of single watt system.



#### Non Destructive cutting

Non destructive cutting to reduce the risk of hidden crack.



#### High density packaging

High density packaging can improve the efficiency of modules by 0.4 ~ 0.6% .



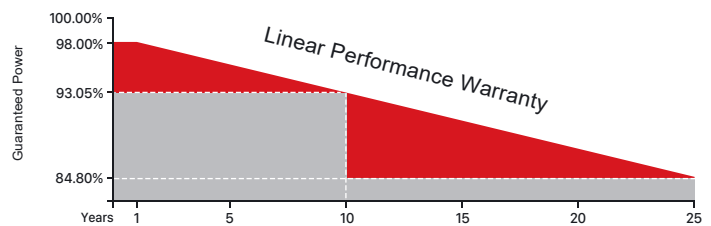
#### Low hotspot risk

Special cutting and soldering technology leads to low hotspot risk.



#### High PID resistant

Advanced cell technology and qualified materials lead to high resistance to PID.



• 12-year product warranty • 25-year linear power warranty

### Electrical Characteristics(STC)

PV module model	CST585M12-60H	CST590M12-60H	CST595M12-60H	CST600M12-60H	CST605M12-60H
Maximum Power - Pmax(W)	585	590	595	600	605
Open Circuit Voltage - Voc(V)	40.90	41.10	41.30	41.50	41.70
Short Circuit Current - Isc(A)	18.37	18.42	18.47	18.52	18.57
Voltage at Pmax-Vmp(V)	33.80	34.00	34.20	34.40	34.60
Current at Pmax-Imp(A)	17.31	17.35	17.40	17.44	17.49
Module Efficiency-ηm(%)	20.7	20.9	21.0	21.2	21.4
Power Output Tolerance(W)	0~+5				

STC: Irradiance 1000 W/m<sup>2</sup>, Module Temperature 25°C, Air Mass AM1.5

### Electrical Characteristics(NMOT)

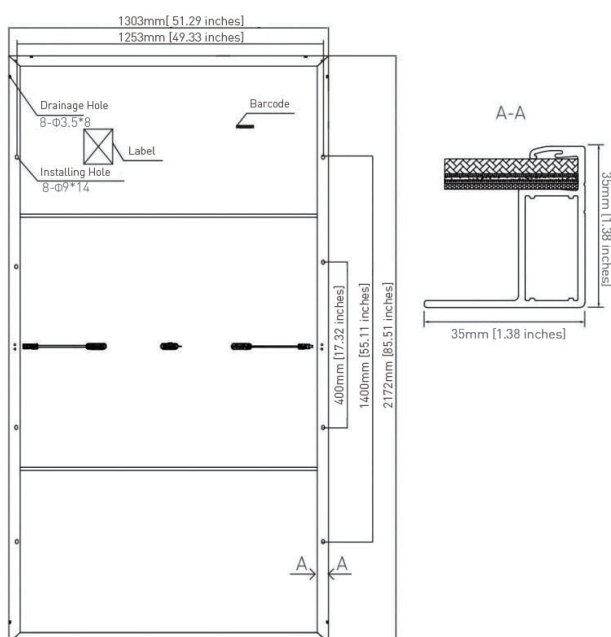
Maximum Power - Pmax(W)	443	447	451	454	458
Open Circuit Voltage - Voc(V)	38.50	38.70	38.90	39.10	39.30
Short Circuit Current - Isc(A)	14.81	14.85	14.88	14.92	14.96
Voltage at Pmax-Vmp(V)	31.50	31.70	31.90	32.00	32.20
Current at Pmax-Imp(A)	14.05	14.09	14.13	14.18	14.22

NMOT: Irradiance 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

### Temperature Characteristics

Pmax Temperature Coefficient	-0.340%/C
Voc Temperature Coefficient	-0.250%/C
Isc Temperature Coefficient	+0.040%/C
Operating Temperature	-40~+85 C
Nominal Module Operating Temperature (NMOT)	43±2 C

### Module Dimension



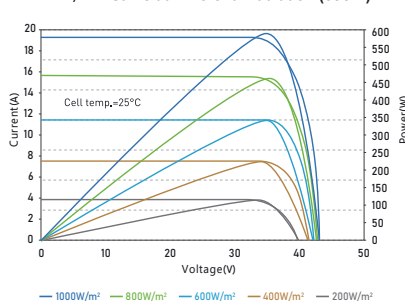
### Mechanical Specifications

External Dimensions	2172x1303x35mm
Weight	30.9kg
Solar Cells	monocrystalline 120(6x20)pcs
Front Glass	High transparency solar glass 3.2mm
Frame	Silver, anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm <sup>2</sup> , cable length:300mm(+)/300mm(-)
Connector	MC4 Compatible
Wind/Snow Load	2400Pa/5400Pa
Maximum System Voltage	1500V DC
Max Series Fuse Rating	30A

### Packing Configuration

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

I-V/P-V Curve at Different Irradiation (595W)



I-V Curve at Different Temperature (595W)

