

## CST355~390M8-60H

### 120-CELL HALF CUT Monocrystalline Solar Module

166mm Mono PERC Solar Cell(9BB-Half)



## 390W

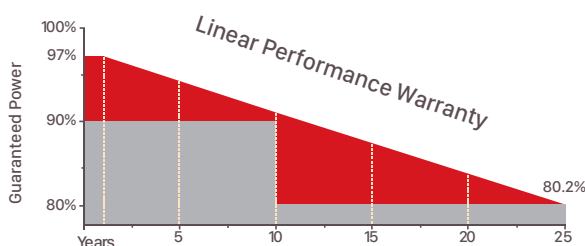
Maximum Power Output

## 21.1%

Maximum Efficiency

## 0~+5W

Positive Power Tolerance



#### Low hotspot risk

Special cutting and soldering technology leads to low hotspot risk.



#### Excellent weak light performance

More power output in weak light condition such as haze cloudy and morning.



#### Certified to withstand

Wind load (2400 Pascal) and snow load (5400 Pascal).



#### Withstanding harsh environment

Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline.



#### High PID resistant

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

97.0% in the first year, thereafter, for years two (2) through twenty-five (25), 0.7% maximum decrease from MODULE's nominal power output per year, ending with the 80.2% in the 25th year after the defined WARRANTY STARTING DATE.

- 12-year product warranty
- 25-year linear performance warranty

# CST355~390M8-60H

Monocrystalline

## Electrical Characteristics(STC)

PV module model	CST355M8-60H	CST360M8-60H	CST365M8-60H	CST370M8-60H	CST375M8-60H	CST380M8-60H	CST385M8-60H	CST390M8-60H
Maximum Power - Pmax(W)	355	360	365	370	375	380	385	390
Open Circuit Voltage - Voc(V)	40.38	40.66	40.94	41.22	41.50	41.79	42.07	42.35
Short Circuit Current - Isc(A)	11.20	11.24	11.28	11.32	11.36	11.40	11.44	11.48
Voltage at Pmax-Vmp(V)	33.72	34.06	34.37	34.75	35.05	35.42	35.72	36.05
Current at Pmax-Imp(A)	10.53	10.57	10.62	10.65	10.70	10.73	10.78	10.82
Module Efficiency-ηm(%)	19.2	19.5	19.7	20.0	20.3	20.5	20.8	21.1
Power Output Tolerance(W)	0~+5							

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

## Electrical Characteristics(NOCT)

Maximum Power - Pmax(W)	267	270	274	277	281	284	288	291
Open Circuit Voltage - Voc(V)	37.92	38.16	38.40	38.64	38.88	39.12	39.36	39.60
Short Circuit Current - Isc(A)	9.06	9.09	9.12	9.15	9.18	9.21	9.24	9.29
Voltage at Pmax-Vmp(V)	31.34	31.62	31.90	32.18	32.46	32.74	33.02	33.30
Current at Pmax-Imp(A)	8.52	8.55	8.58	8.61	8.64	8.68	8.71	8.74

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

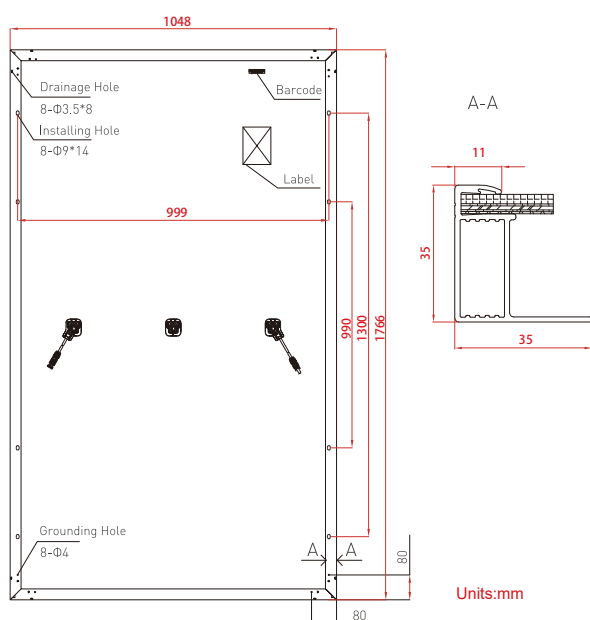
## Temperature Characteristics

Pmax Temperature Coefficient	-0.36%/C
Voc Temperature Coefficient	-0.28%/C
Isc Temperature Coefficient	+0.05%/C
Operating Temperature	-40~+85 C
Nominal Operating Cell Temperature (NOCT)	45±2 C

## Mechanical Specifications

External Dimensions	1766*1048*35mm
Weight	20.9kg
Solar Cells	monocrystalline 120(60*2)pcs
Front Glass	High transparency solar glass 3.2mm
Frame	Aluminum alloy
Junction Box	IP68 rated
Output Cables	4.0mm <sup>2</sup> , Portrait: 300mm/300mm
Connector	MC4 Compatible
Wind/Snow Load	2400Pa/5400Pa
Maximum System Voltage	1000/1500V DC
Max Series Fuse Rating	20A

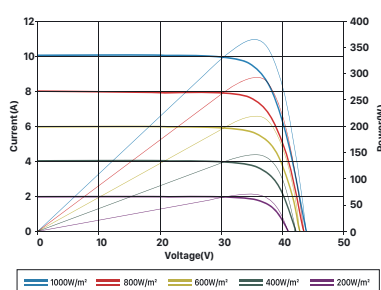
## Engineering Drawings



## Packing Configuration

Modules per pallet	30 pieces
Modules per 40' container	780 pieces

## Current-Voltage&Power-Voltage Curve(360W)



## Temperature Dependence of Isc, Voc, Pmax

