

## CST525~560M10-72HS

### 144-CELL HALF CUT Monocrystalline Solar Module

182mm Mono PERC Solar Cells(Half)

## 560W

Maximum Power Output

## 21.9%

Maximum Efficiency

## 0~+5W

Positive Power Tolerance



#### MBB Cell

New circuit design, lower internal current, lower internal resistance loss.



#### Low hotspot risk

Special cutting and soldering technology leads to low hotspot risk.



#### Optimized system performance

Optimized system performance due to module level current sorting.



#### Withstanding harsh environment

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

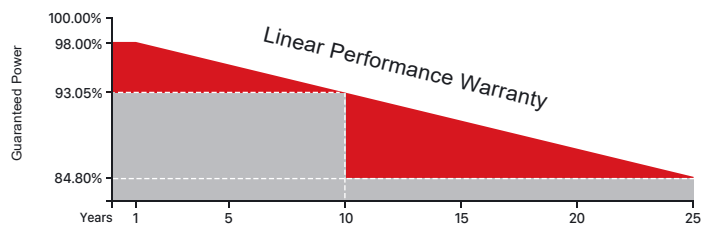


#### High PID resistant

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

#### 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



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

### Electrical Characteristics(STC)

PV module model	CST525M10-72HS	CST530M10-72HS	CST535M10-72HS	CST540M10-72HS	CST545M10-72HS	CST550M10-72HS	CST555M10-72HS	CST560M10-72HS
Maximum Power - Pmax(W)	525	530	535	540	545	550	555	560
Open Circuit Voltage - Voc(V)	49.05	49.28	49.51	49.75	49.98	50.22	50.45	50.68
Short Circuit Current - Isc(A)	13.53	13.57	13.60	13.63	13.66	13.70	13.73	13.76
Voltage at Pmax-Vmp(V)	41.21	41.48	41.77	42.06	42.35	42.64	42.93	43.22
Current at Pmax-Imp(A)	12.74	12.78	12.81	12.84	12.87	12.90	12.93	12.96
Module Efficiency-ηm(%)	20.5	20.7	20.9	21.1	21.3	21.5	21.7	21.9
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)	386.15	389.86	393.58	397.32	401.06	404.80	408.54	412.28
Open Circuit Voltage - Voc(V)	45.37	45.58	45.79	46.00	46.21	46.42	46.63	46.84
Short Circuit Current - Isc(A)	10.95	10.98	11.00	11.03	11.06	11.08	11.11	11.13
Voltage at Pmax-Vmp(V)	37.78	38.02	38.26	38.50	38.74	38.98	39.22	39.46
Current at Pmax-Imp(A)	10.22	10.25	10.29	10.32	10.35	10.39	10.42	10.45

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

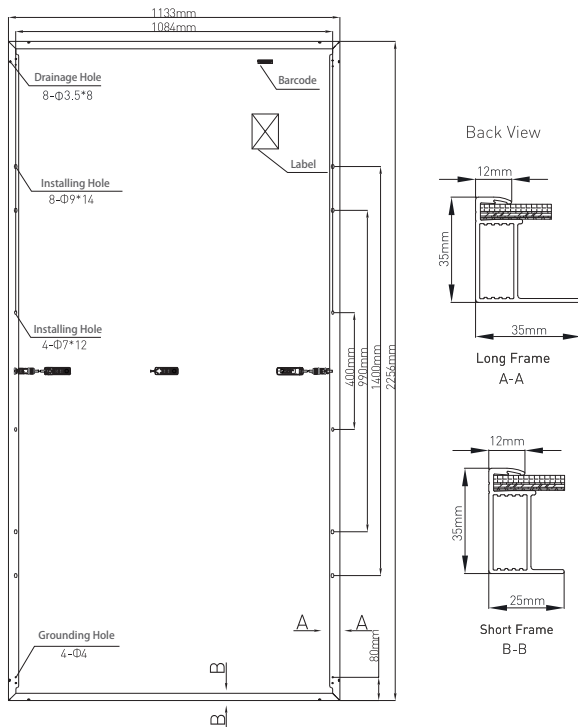
### Temperature Characteristics

Pmax Temperature Coefficient	-0.36%/C
Voc Temperature Coefficient	-0.28%/C
Isc Temperature Coefficient	+0.05%/C
Operating Temperature	-40~+85 C
Nominal Module Operating Temperature (NMOT)	44±2 C

### Mechanical Specifications

External Dimensions	2256x1133x35mm
Weight	28.0kg
Solar Cells	monocrystalline 144(6x24)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	25A

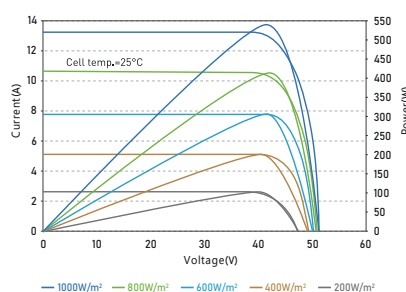
### Module Dimension



### Packing Configuration

Modules per pallet	31 pieces
Modules per 40' container	620 pieces

I-V/P-V Curve at Different Irradiation (545W)



I-V Curve at Different Temperature (545W)

