



# SARONIC

Saronic (EU) Power Tech GmbH  
ADD: Neuer wall 10, 20354 Hamburg Germany

## M72PCS-325W 320W 315W 310W Product Specification



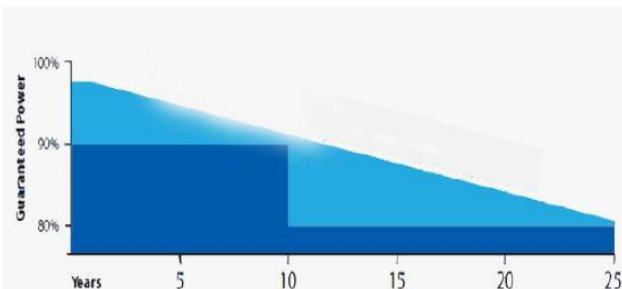
- Industry leading module power output warranty
- International quality, safety and performance certifications
- High-reliability with guaranteed 0/+5 Wp peak power
- Manufacturing facility certified to ISO9001 Quality Management System standards
- Beautiful appearance, good durability & easy installation
- Special design in accordance with requirements of customers

### CERTIFICATES

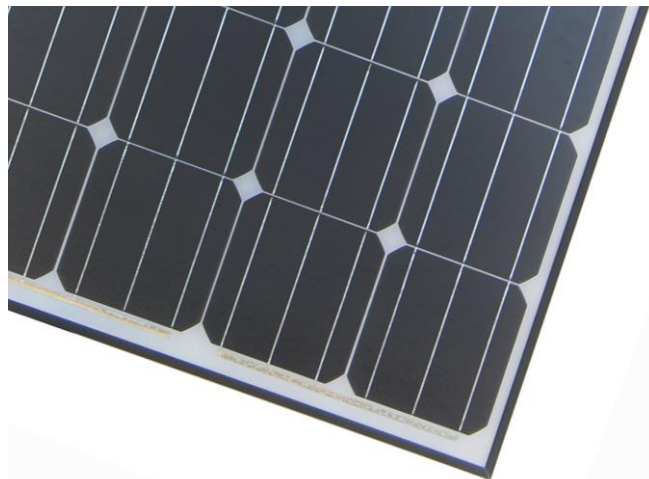


### WARRANTIES

- 10 years for product defects in materials & workmanship
- 10 years for 90% of warranted minimum power output
- 25 years for 80% of warranted minimum power output



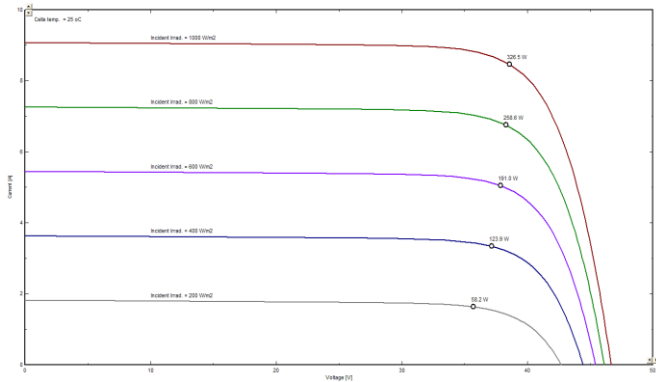
25 years linear warranty



**Electrical parameters at Standard Test Conditions**  
(STC:AM=1.5, 1000W/m<sup>2</sup>, cells Temperature 25 °C)

**I-V CURVE**

|                             |         |       |       |       |
|-----------------------------|---------|-------|-------|-------|
| Typical Type                | 325W    | 320W  | 315W  | 310W  |
| Max-Power (Pmax) w          | 325W    | 320W  | 315W  | 310W  |
| Max-Power Voltage (Vmp)     | 37.64   | 37.6  | 37.56 | 37.52 |
| Max-Power Current (Imp)     | 8.63    | 8.51  | 8.39  | 8.27  |
| Open-Circuit Voltage (Voc)  | 46.67   | 46.62 | 46.57 | 46.46 |
| Short-Circuit Current (Isc) | 9.07    | 8.94  | 8.81  | 8.7   |
| Max-System Voltage          | DC1000V |       |       |       |
| Cell efficiency (%)         | 19.27   | 18.97 | 18.67 | 18.4  |



**MECHANICAL DATA**

**TEMPERATURE CHARACTERISTICS**

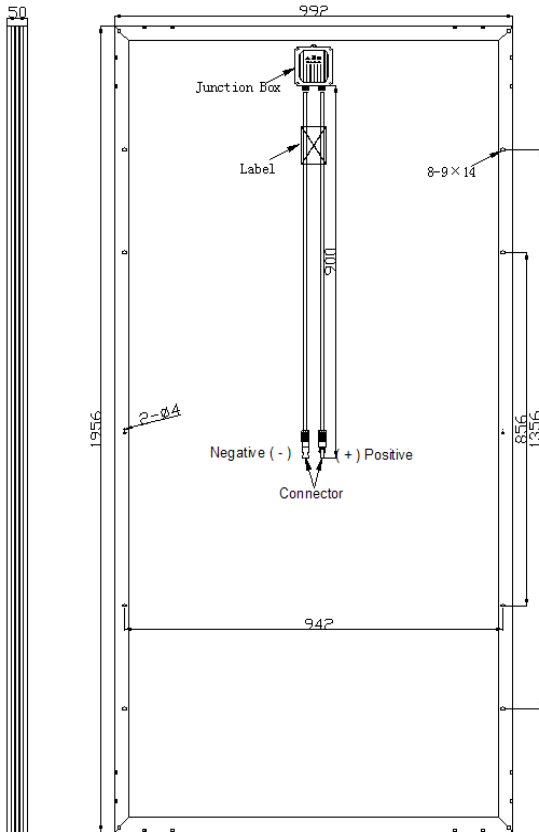
|                  |  |
|------------------|--|
| Dimensions       | 1956*992*50mm  |
| Weight           | 23kgs  |
| Front Glass      | 3.2 mm tempered glass  |
|                  | TUV (2Pfg1169:2007)  |
| Output Cables:   | 900mm <sup>2</sup> (0.006 inches <sup>2</sup> ),<br>symmetrical lengths<br>1000 mm |
| Connectors:      | MC4 compatible IP67  |
| cell type:       | Mono Crystalline silicon,<br>156mmx156mm   |
| Number of cells: | 72 cells in series   |

|                                    |               |
|------------------------------------|---------------|
| Temp.Coeff.of Isc(TK Isc)          | 0.037% / °C   |
| Temp.Coeff.of Voc(TK Voc)          | (-0.34%) / °C |
| Temp.Coeff of Pmax(TK Pmax)        | (-0.48%) / °C |
| Operating Temperature              | (-40~+85)°C   |
| Nominal Operating Cell Temperature | 45 +2 °C      |

**PACKING CONFIGURATION**

|                       |       |       |       |
|-----------------------|-------|-------|-------|
| Container             | 20'GP | 40'GP | 40'HQ |
| Pieces per Pallet     | 38    | 38    | 46    |
| Pallets per Container | 5     | 11    | 11    |
| Pieces per Container  | 190   | 418   | 506   |

**DIMENSIONS AND STRUCTURE**



**TESTS, CERTIFICATIONS AND WARRANTIES**

|                                     |   |
|-------------------------------------|---|
| Standard tests                      | IEC 61215, IEC 61730  |
| System certs                        | ISO 9001, ISO 14001   |
| Certifications                      | TUV, CE, MCS, PV CYCLE, CEC ,<br>CHUBB                            |
| Extreme wind and snow loads testing | withstand extreme wind (3800 Pascal) and snow loads (5400 Pascal) |
| Positive tolerance                  | 0~+3w   |
| Junction Box                        | IP67 Rated  |
| Warranties                          | 10-year material and workmanship and 25-year output at least 80%. |