

# ST72MP

72x6"/ 370-390 W MONOKRISTAL PERC PANEL  
72x6"/ 370-390 W MONOCRISTALLINE PERC PANEL

**SOLENTAD**  
SOLAR ENERGY

## Management System Kalite Yönetim Sistemi

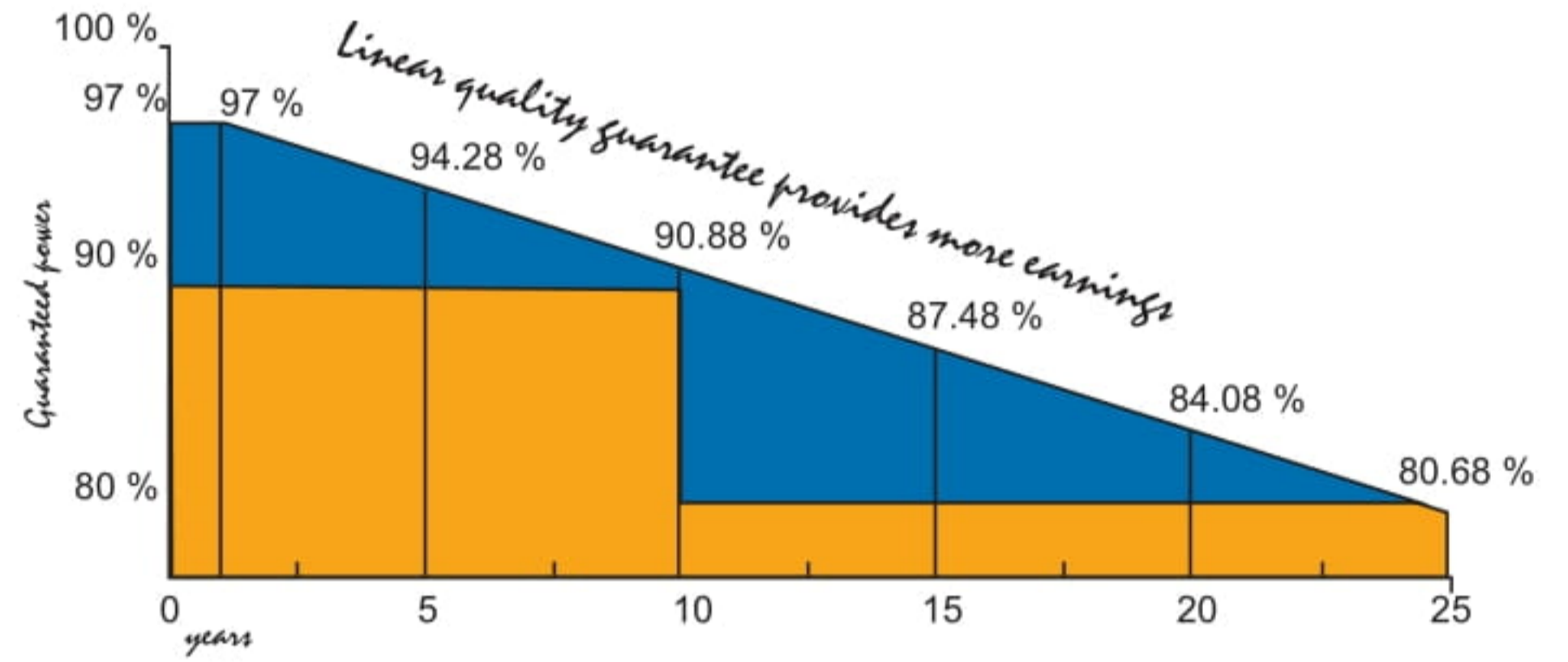


- ISO 9001 : Quality Management System
- ISO 14001 : Environmental Management System Standard
- OHSAS 18001 : International Occupational Health and Safety Assessment System Standard
- ISO 10002-2004: Customer Satisfaction Management System

## Product Certification Ürün Sertifika Standartları



- IEC 61215 (New Edition) 1500 vdc
- IEC 61730 (New Edition)
- IEC 61701 (Salt Mist Corrosion)
- IEC 62716 (Amonia Corrosion)
- IEC 62804 (Potential Induced Degradation)



Product Quality &  
Process Guarantee



Linear Power  
Guarantee



Testing  
Laboratory



## Structural Characteristics

Module dimensions	1956 x 992 x 40mm ± 1 mm
Weight	21,5 kg
Cell	Monocrystal 156.75 x 156.75 mm (72 cells)
Glass	3.2 mm AR tempered glass, low iron
Frame	Anodized aluminum alloy
Junction Box	IP67
Output Wire	4.0 mm <sup>2</sup> , wire length:1100 mm
Connector	Mc4 Compatible
Mechanical Load	5400 Pa



Specifications are subject to change without prior notice

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## Electric Characteristics (STC)

Model of Modules	370-72M	375-72M	380-72M	385-72M	390-72M
Maximum power - $P_{mp}$ (W)	370	375	380	385	390
Open-circuit voltage - $V_{oc}$ (V)	47.24	47.56	47.8	48.10	48.30
Short-circuit current - $I_{sc}$ (A)	9.89	9.92	9.98	10.04	10.12
Maximum power voltage - $V_{mp}$ (V)	39.78	39.96	40.10	40.30	40.60
Maximum power current - $I_{mp}$ (A)	9.36	9.42	9.48	9.56	9.62
Module efficiency - $\eta_m$ (%)	18.25	18.40	18.63	18.87	19.12

STC: Irradiance 1000 W/m<sup>2</sup>, 25°C, AM 1.5

## Electric Characteristics (NOCT)

Model of Modules	370-72M	375-72M	380-72M	385-72M	390-72M
Maximum power - $P_{mp}$ (W)	281.2	285.4	288.8	292.6	296.4
Open-circuit voltage - $V_{oc}$ (V)	46.62	46.78	46.90	47.5	47.67
Short-circuit current - $I_{sc}$ (A)	6.80	6.88	6.98	7.10	7.15
Voltage at maximum power - $V_{mp}$ (V)	40.02	40.16	40.30	40.44	40.71
Current at maximum power - $I_{mp}$ (A)	6.40	6.48	6.56	6.76	6.85

NOCT: Irradiance 800 W/m<sup>2</sup>, 20°C, wind velocity 1m/s

Power Tolerance (W)	(0,+5)
Maximum system voltage (V)	1500 V
Maximum rated fuse current (A)	20

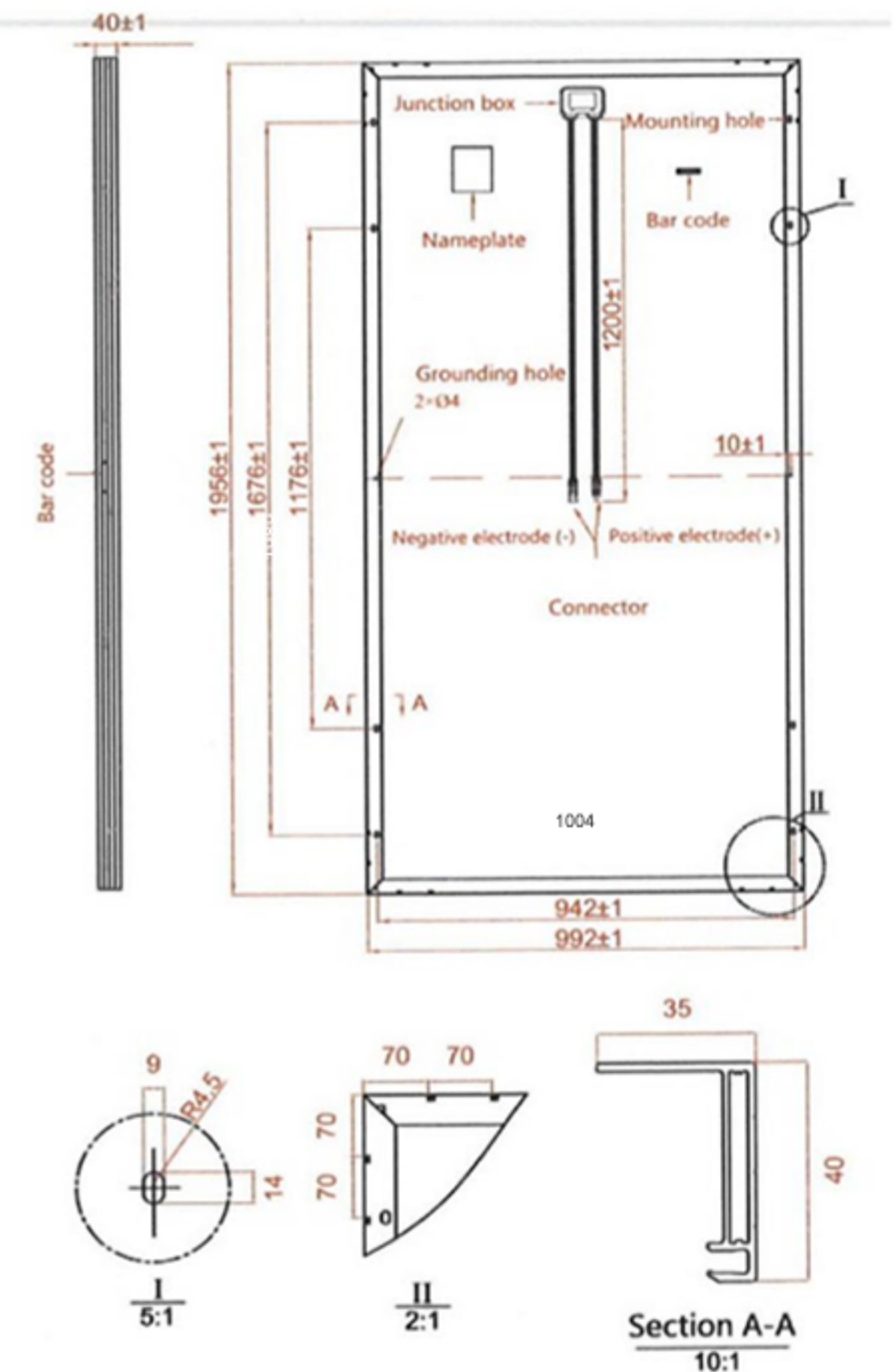
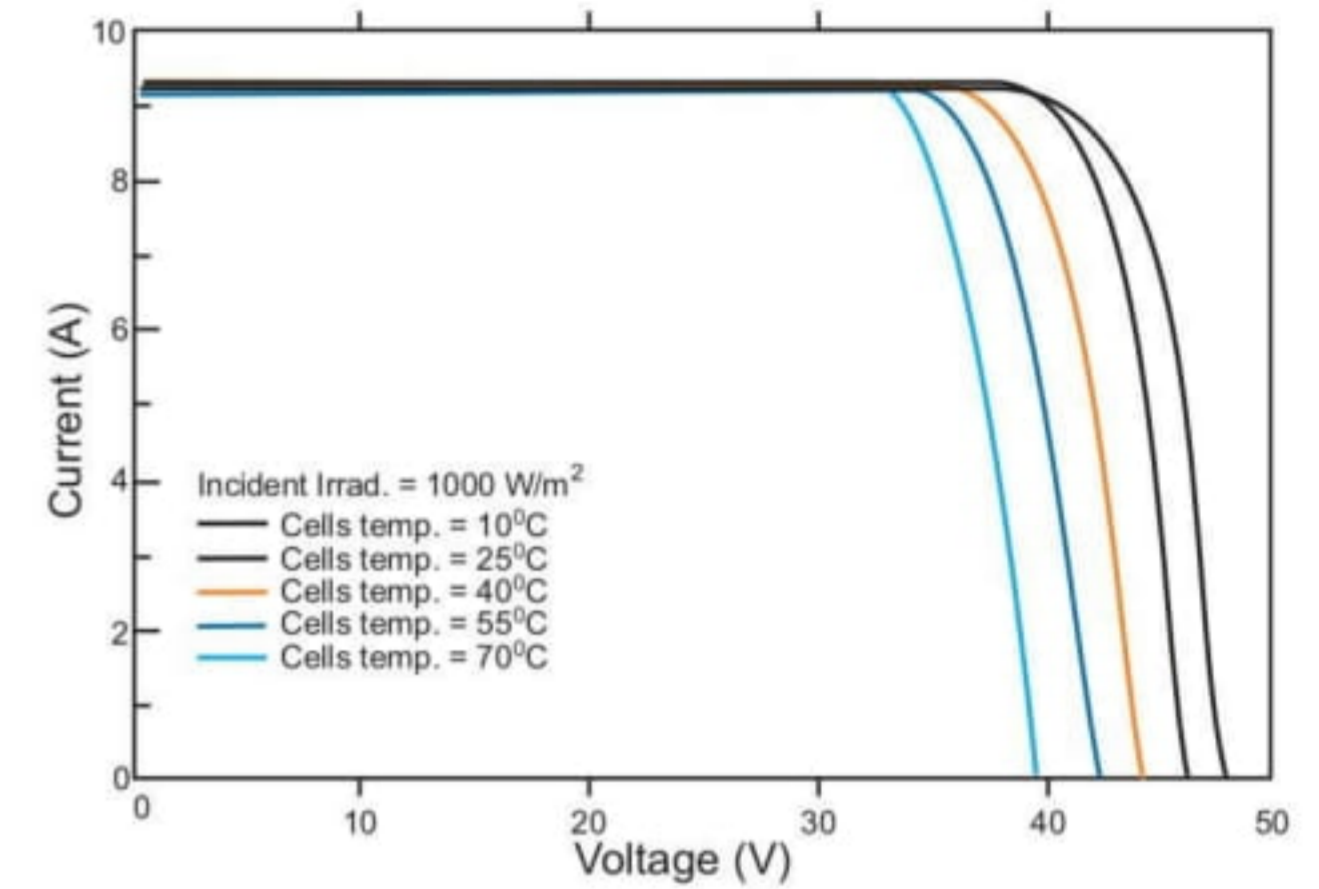
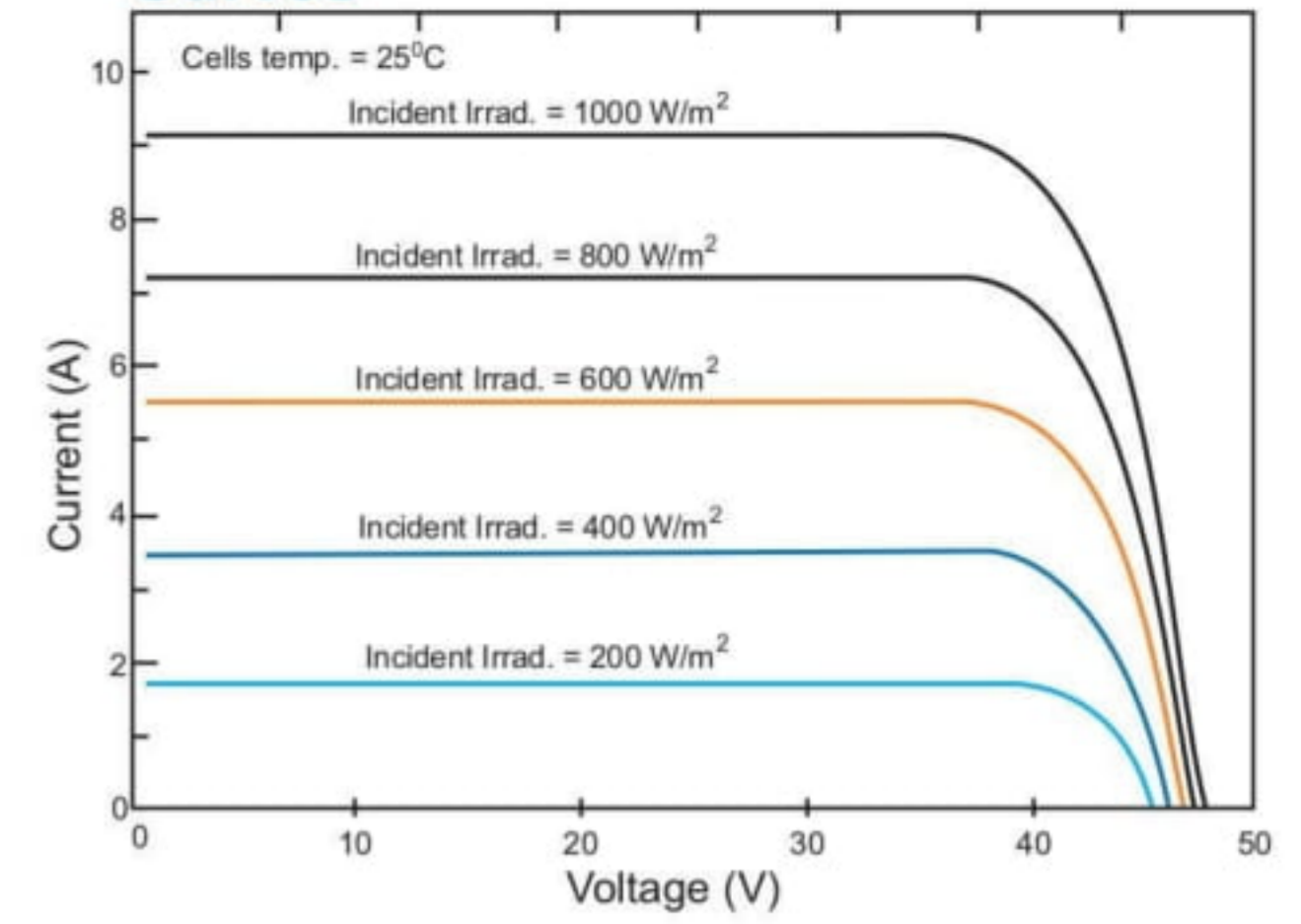
## Temperature Characteristics

Temperature coefficient at maximum power	-0,373 (%/°C)
Temperature coefficient at open - circuit voltage	-0,307 (%/°C)
Temperature coefficient at short - circuit current	+0,050 (%/°C)
Operating temperature	-40~+85 °C
Rated operating temperature of cells	45±2 °C

## Packaging Configuration

Container	20 GP	40 GP	40 HC
Quantity/Pallet	30	30	30
Pallets/Container	12	24	24
Quantity/Container	360	720	720

## Curves



## Safety

Resistance to salt-spray corrosion (IEC61701, certified to SGS test standart)

Resistance to ammonia corrosion (IEC62716, certified to SGS test standart)

Fire safety (Class C, certified to SGS test standards)

## Reliability

PID FREE Resistance to power attenuation passed SGS system voltage endurance test

## High performance

Advanced Excellent power output of modules in low light environment

100% double EL test enabling remarkable reduction of hidden crack rate of modules