

ST72MP

72 Hücre/380-400 W MONOKRİSTAL PERC PANEL
72 Cells/380-400 W MONOCRYSTALLINE PERC PANEL



Management System Kalite Yönetim Sistemi

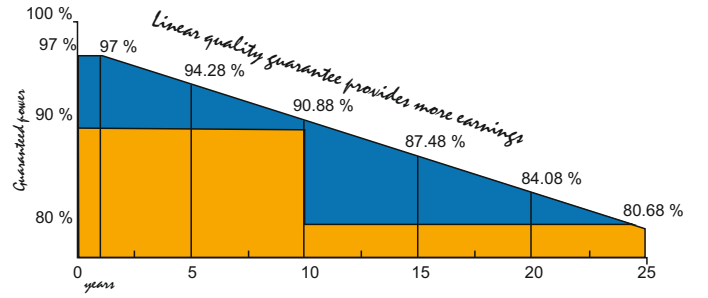


- ISO 9001 : Quality Management System
- ISO 14001 : Environmental Management System Standard
- OHSAS 18001 : International Occupational Health and Safety Assessment System Standard
- ISO 10002-2004: Customer Satisfaction Management System

Product Certification Ürün Sertifika Standartları



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



Product Quality & Process Guarantee



Linear Power Guarantee



Testing Laboratory



Structural Characteristics

Module dimensions (Ölçüler)	1984mm x 1007 mm x35mm ± 2mm
Weight (Ağırlık)	23,5 kg ± %5
Cell (Hücre)	Monocrystal 158.75 x 158.75 mm (72 cells)
Glass (Cam)	3.2 mm AR tempered glass, low iron
Frame (Çerçeve)	Anodized aluminum alloy
Junction Box (Bağlantı Kutusu)	IP67
Output Wire (Kablo Ölçüsü)	4.0 mm ² , wire length: 1100 mm
Connector (Konnektör)	Mc4 Compatible
Mechanical Load (Mekanik Yük)	5400 Pa



Specifications are subject to change without prior notice

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Electric Characteristics (STC) (Elektrik Özellikleri)

Model of Modules	380-72M	385-72M	390-72M	395-72M	400-72M
Maximum power - P_{mp} (W)	380	385	390	395	400
Open-circuit voltage - V_{oc} (V)	47.8	48.1	48.30	48.50	49.02
Short-circuit current - I_{sc} (A)	9.98	10.04	10.11	10.17	10.30
Maximum power voltage - V_{mp} (V)	40.0	40.3	40.60	40.8	41.0
Maximum power current - I_{mp} (A)	9.50	9.56	9.62	9.69	9.76
Module efficiency - η_m (%)	18.63	18.87	19.12	19.36	20.61

STC: Irradiance 1000 W/m², 25°C, AM 1.5

Electric Characteristics (NOCT) (Elektrik Özellikleri)

Model of Modules	380-72M	385-72M	390-72M	395-72M	400-72M
Maximum power - P_{mp} (W)	304	307.8	311.5	314.8	319
Open-circuit voltage - V_{oc} (V)	46.9	47.5	47.67	47.87	48.17
Short-circuit current - I_{sc} (A)	6.98	7.10	7.15	7.19	7.24
Voltage at maximum power - V_{mp} (V)	40.30	40.44	40.71	40.94	41.16
Current at power maximum power - I_{mp} (A)	6.56	6.76	6.85	6.90	6.93

NOCT: Irradiance 800 W/m², 20°C, wind velocity 1m/s

Power Tolerance (W)	(0,+5)
Maximum system voltage (V)	1000 V / 1500 V
Maximum rated fuse current (A)	15 A / 20 A
Security Class	C Class

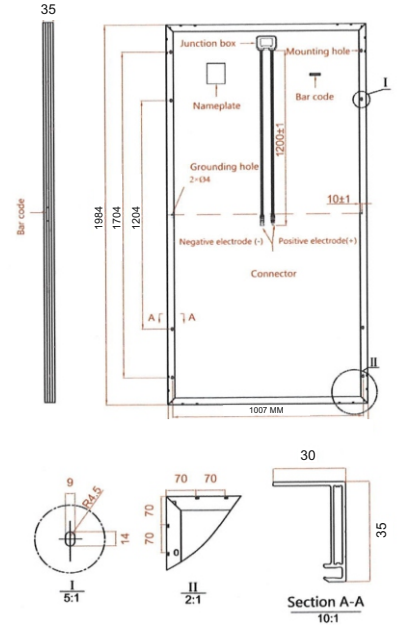
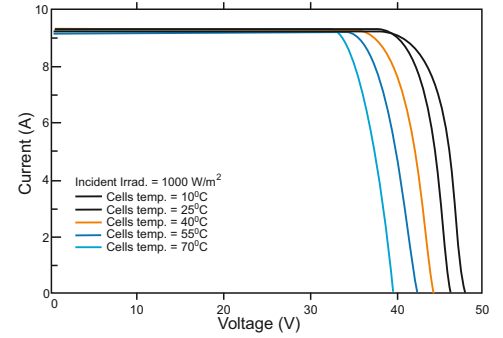
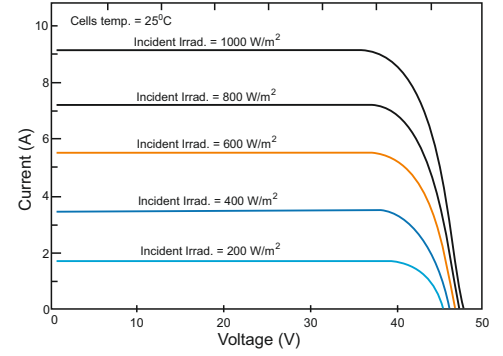
Temperature Characteristics (Isısal Kayıplar)

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 (Yükleme Bilgisi)

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

Curves



* Unit: mm

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



Resistance to power attenuation passed SGS system voltage endurance test

High performance



Excellent power output of modules in low light environment



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