

ST72MP

72x6"/ 390-410 W MONOKRISTAL PERC PANEL
72x6"/ 390-410 W MONOCRYSTALLINE PERC PANEL

SOLENTAD
SOLAR ENERGY

Management System Kalite Yönetim Sistemi

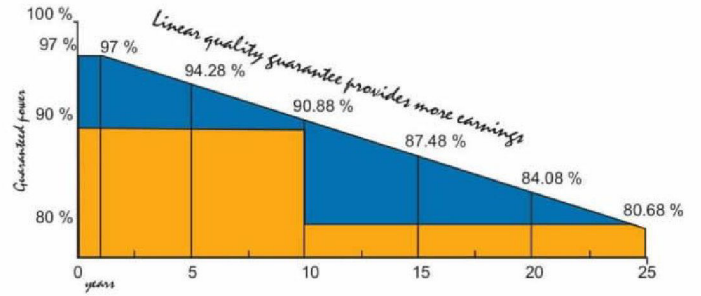


ISO 9001 : Quality Management System
ISO 14001 : Environmental Management System Standard
OHSAS 18001 : International Occupational Health and Safety Assessment System Standard
ISO 10002-2004: Customer Satisfaction Management System

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



LINEAR MANAGEMENT SOLUTIONS

Structural Characteristics

Module dimensions	1989 x 1004 x 35 ± 2 mm
Weight	22,5 kg
Cell	Monocrystal 158.75 x 158.75 mm (72 cells)
Glass	3.2 mm AR tempered glass, low iron
Frame	Anodized aluminum alloy
Junction Box	IP67
Output Wire	4.0 mm ² , 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	390-72M	395-72M	400-72M	405-72M	410-72M
Maximum power - P_{mp} (W)	390	395	400	405	410
Open-circuit voltage - V_{oc} (V)	48.30	48.44	49.40	49.92	50.36
Short-circuit current - I_{sc} (A)	10.11	10.17	10.30	10.42	10.22
Maximum power voltage - V_{mp} (V)	40.60	40.80	41.89	42.14	42.38
Maximum power current - I_{mp} (A)	9.56	9.60	9.62	9.67	9.72
Module efficiency - η_m (%)	19.12	19.36	19.92	20.14	20.32

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

Electric Characteristics (NOCT)

Model of Modules	390-72M	395-72M	400-72M	405-72M	410-72M
Maximum power - P_{mp} (W)	305	309	315	319	323
Open-circuit voltage - V_{oc} (V)	47.86	48.04	48.94	49.38	49.94
Short-circuit current - I_{sc} (A)	7.96	8.12	8.28	8.42	8.54
Voltage at maximum power - V_{mp} (V)	39.72	39.78	40.32	40.58	40.68
Current at maximum power - I_{mp} (A)	7.66	7.78	7.82	7.86	7.94

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

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

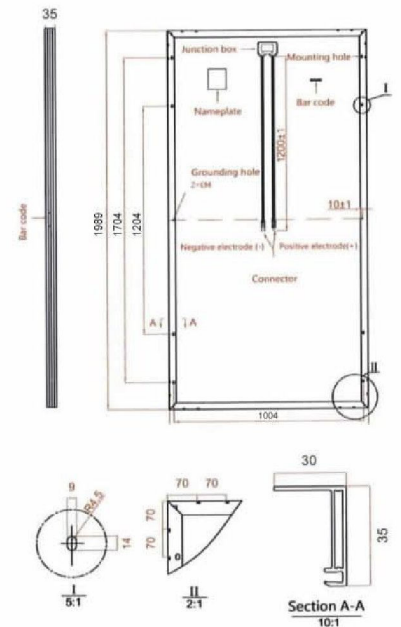
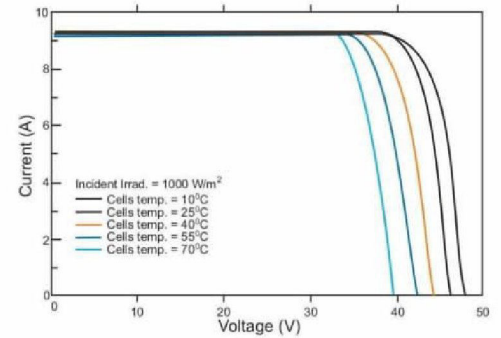
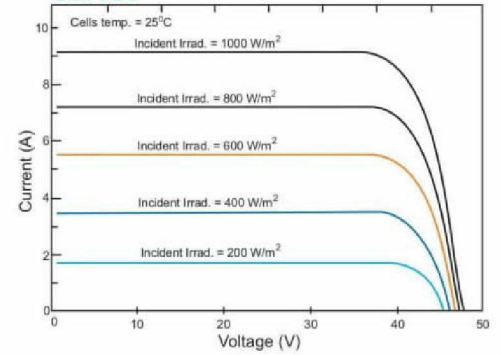
Temperature Characteristics

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



* Unit: mm

Safety



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



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



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