

PHOTOVOLTAIC MODULE TS-M724



350 - 370 Wp 72 MONOCRYSTALLINE CELLS

Teknik Solar modules combine the most advanced technology with high reliability in manufacture to offer you a product meant for high achievements.



SIMPLY MORE POWER

Teknik Solar module TS-M724 is designed to ensure high yields to meet the needs of larger and power-intensive installations.



THOROUGHLY TESTED AND GUARANTEED

The manufacturing processes of Teknik Solar modules follow rigorous quality criteria to provide a guaranteed and long-lasting product.

COMPREHENSIVELY CERTIFIED

AEG solar modules and production facilities are compliant with the the latest standards to guarantee safety and reliability.

YOUR ADVANTAGE AT A GLANCE

Premium solar panel with quality components
High efficiency - up to 370 Wp

10 years Product warranty
25 years linear Power warranty

More on: www.tekniksolar.com

PHOTOVOLTAIC MODULE TS-M724

ELECTRICAL CHARACTERISTICS AT STC¹

| | | | | | | |
|--|------|---------|---------|---------|---------|---------|
| Nominal Power (P _{max}) | [Wp] | 350 | 355 | 360 | 365 | 370 |
| Tolerance on Nominal Power P _{max} ² | [Wp] | -0 / +5 | -0 / +5 | -0 / +5 | -0 / +5 | -0 / +5 |
| Maximum Power Voltage (V _{mp}) | [V] | 38.5 | 38.6 | 38.8 | 38.9 | 39.0 |
| Maximum Power Current (I _{mp}) | [A] | 9.10 | 9.20 | 9.29 | 9.39 | 9.49 |
| Open Circuit Voltage (V _{oc}) | [V] | 47.2 | 47.4 | 47.5 | 47.6 | 47.7 |
| Short Circuit Current (I _{sc}) | [A] | 9.59 | 9.67 | 9.83 | 9.94 | 10.04 |
| Module Efficiency (η _m) | | 18.0% | 18.3% | 18.5% | 18.8% | 19.1% |
| Maximum System Voltage | [V] | 1000 | 1000 | 1000 | 1000 | 1000 |
| Series Fuse Maximum Rating | [A] | 15 | 15 | 15 | 15 | 15 |

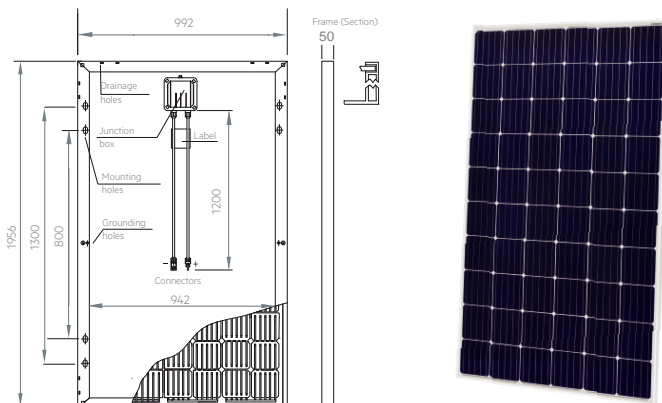
ELECTRICAL CHARACTERISTICS NOCT³

| | | | | | | |
|--|-----|------|------|------|------|------|
| Product type: TS-M724-xxx (xxx=350-370) | | 350 | 355 | 360 | 365 | 370 |
| Maximum Power (P _{max}) | [W] | 257 | 261 | 265 | 269 | 273 |
| Maximum Power Voltage (V _{mp}) | [V] | 35.5 | 35.6 | 35.7 | 35.9 | 36.1 |
| Maximum Power Current (I _{mp}) | [A] | 7.24 | 7.35 | 7.43 | 7.50 | 7.57 |
| Open Circuit Voltage (V _{oc}) | [V] | 43.5 | 43.7 | 43.8 | 44.0 | 44.3 |
| Short Circuit Current (I _{sc}) | [A] | 7.77 | 7.82 | 7.90 | 7.98 | 8.05 |

MECHANICAL CHARACTERISTICS

| | |
|--------------|--|
| Solar cells | 72 (6 x 12) monocrystalline silicon, 156 x 156 mm (6") cells |
| Front glass | 3.2 mm (1.25") high-transparency AR coating glass |
| Backsheet | White backsheet |
| Encapsulant | EVA (Ethylene-Vinyl Acetate) |
| Frame | Anodized aluminum alloy, silver color |
| Junction box | IP67 rated, 3 bypass diodes |
| Cables | UV resistant cable 1200 mm (47.2"), sec.4.0 mm ² |
| Connectors | MC4 compatible connectors |
| Dimensions | 1956 mm x 992 mm x 50 mm (77.01" x 39.06" x 1.57") |
| Weight | 26.5 kg (58.4 lbs) |
| Maximum load | Wind: 2400 Pa / Snow: 5400 Pa |

TECHNICAL DRAWINGS



Module dimensions in the technical picture are expressed in mm with tolerance +2 mm (+0.079")

1 - Standard Test Conditions (STC): Irradiance 1000 W/m², Air Mass AM = 1.5, Cell Temperature 25°C; Power measurement uncertainty within ± 3%.

2 - photovoltaic modules are classified according to a principle of positive power tolerance: the Power Output measured at STC of the delivered modules exceeds their assigned Nameplate Nominal Power at STC within a power tolerance range between -0 Wp and +5 Wp.

3 - Normal Operating Cell Temperature (NOCT): Irradiance 800 W/m², Wind Speed 1m/s, Cell Temperature 25°C, Ambient Temperature 20°C; Power measurement uncertainty within ± 3%.

4 - No less than 97% of the minimum "Peak Power at STC" in the first year; power output decline no more than 0.7% per year thereafter)

TEMPERATURE CHARACTERISTICS

| | |
|--|-----------------|
| NOCT | 45°C ± 2°C |
| P _{max} Temp. Coefficient (γ) | -0.40 %/°C |
| V _{oc} Temp. Coefficient (β) | -0.31 %/°C |
| I _{sc} Temp. Coefficient (α) | 0.06 %/°C |
| Operating temperature | -40°C to + 85°C |

PACKING CONFIGURATION

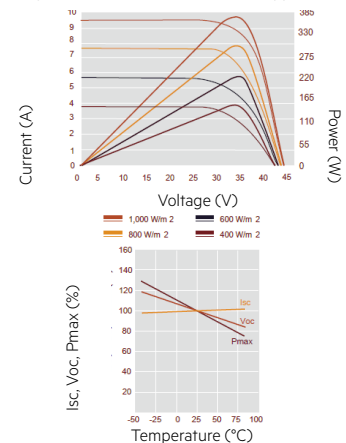
| | |
|-----------------------|--------------------|
| Packing configuration | 26 pcs / pallet |
| Loading capacity | 624 pcs / 40 ft HC |

WARRANTIES

| | |
|----------------------|-------------------------------|
| Product warranty | 10 years |
| Performance warranty | 25 years, linear ⁴ |

I-V CURVES / IRRADIANCES

Test temperature: 25 °C Product Type: 365 Wp



CONTACT US

Teknik Solar Enerji Aydınlatma Sanayi T.C. LTD. T. I Emek Yemez Mah. Okçu Musa Cad. No:2 Kat:3 i hane I stanbul I Turkey

Tel: +90 212 235 0050 I Fax: +90 212 235 0052 I Mail: info@tekniksolar.com

www.tekniksolar.com