

BEST QUALITY CUSTOMIZED PV MODULES

EKSPER ENERJI

MANUFACTURED IN TURKEY

EKSPER ENERJI MONOCRYSTAL AND POLYCRYSTAL PV MODULE'S TECHNICAL SPECIFICATIONS

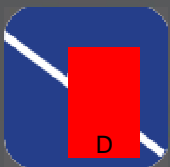
| | |
|-------------|---------|
| TS-M364-7 | (7Wp) |
| TS-M364-12 | (12Wp) |
| TS-M364-25 | (25Wp) |
| TS-M364-50 | (50Wp) |
| TS-M364-75 | (75Wp) |
| TS-M364-110 | (110Wp) |
| TS-M364-150 | (150Wp) |
| TS-P364-170 | (170Wp) |
| TS-M364-210 | (210Wp) |

EKSPER

ENERJI



0 to +5 POSITIVE POWER TOLERANCE



SELF-CLEANING AND REFLECTION-REDUCING GLASS

Special Coating On Glass Reduces Surface Dust



+%13 UP TO %13 HIGHER REAL-LIFE PERFORMANCE



EXCELLENT STRENGTH CAPACITY

2400Pa Wind Load Resistance
Against
5400Pa Snow Load



HIGH EFFICIENCY SOLAR MODULES

With 25 Years Performance
Warranty



HIGH EFFICIENCY AT LOW IRRADIANCE

High Module Efficiency Even In
Morning and Cloudy Weather
Conditions

| Module Type | TS-M364-7 | TS-M364-12 | TS-M364-25 | TS-M364-50 | TS-M364-75 | TS-M364-110 | TS-M364-150 | TS-P364-170 | TS-M364-210 |
|--------------------------------|--------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|
| Maximum Power [Pmax] (W) | 7 Wp | 12 Wp | 25 Wp | 50 Wp | 75 Wp | 110 Wp | 150 Wp | 170 Wp | 210 Wp |
| Maximum Power Voltage[Vmp] (V) | 20,84 | 20,84 | 20,84 | 20,84 | 20,84 | 20,84 | 20,84 | 18,60 | 20,84 |
| Maximum Power Current[Imp] (A) | 0,34 | 0,58 | 1,20 | 2,40 | 3,60 | 5,28 | 7,20 | 9,14 | 10,1 |
| Open Circuit Voltage [Voc] (V) | 24,62 | 24,62 | 24,62 | 24,62 | 24,62 | 24,62 | 24,62 | 22,30 | 24,62 |
| Short Circuit [Isc] (A) | 0,36 | 0,60 | 1,25 | 2,51 | 3,76 | 5,52 | 7,53 | 9,50 | 10,56 |
| Dimensions Of Panel (mm) | 185*255*20 | 255*355*20 | 355*420*20 | 425*675*20 | 540*660*20 | 675*790*20 | 680*1160*30 | 680*1505*30 | 680*1505*30 |
| Weight (kg) | 0,68 | 1,13 | 1,9 | 3,32 | 4,1 | 5,82 | 7,20 | 12,8 | 12,8 |
| Voltage (V) | 12V | 12V | 12V | 12V | 12V | 12V | 12V | 12V | 12V |
| Number Of Cell | 36(4*9) | 36(4*9) | 36(4*9) | 36(4*9) | 36(4*9) | 36(4*9) | 36(4*9) | 36(4*9) | 36(4*9) |
| Temperature Range | -10 ~ +45 °C | | | | | | | | |
| Module Efficiency (ηm) | %22 | | | | | | | | |

| MECHANICAL CHARACTERISTICS | | TEMPERATURE CHARACTERISTICS | |
|----------------------------|---|-----------------------------|----------------|
| Front Glass | 3.2 mm high transparency AR coating glass | Pmax Temp. Coefficient | -0.40%/K |
| Frame | Anodized aluminum alloy, silver colour | Voc Temp. Coefficient | -0.31%/K |
| Junction Box | IP65 (110-175Wp) | Isc Temp. Coefficient | -0.06%/K |
| Junction Box | IP67 (110-210Wp) | | |
| Cable | 4mm ² | | |
| Length Of Cable | 110Wp: 430mm | 170Wp: 475mm | 210 Wp: 1000mm |

- 1 - Standard Test Conditions (STC): Irradiance 1000 W/m², Air Mass AM = 1.5, Cell Temperature 25°C ; Power measurement uncertainty within ± 3%.
- 2- 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%.
- 3 - 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)
- 4 - Wind Load is 100 Km/h

PHYSICAL CHARACTERISTICS IN [MM]

