

TS-P364 SOLAR MODULE

36 POLYCRYSTALLINE CELLS
150 - 170 Wp

Compact-size photovoltaic module
made in Turkey
ensuring stability and
performance



Teknik Solar modules are made of carefully selected and tested components to ensure the highest quality, reliable efficiency and a long product life-time.

Thanks to its compact size, the Teknik Solar polycrystalline solar module TS-P364 made in Turkey and delivering up to 170 Wp represents the perfect match for small scale home systems up to commercial installations; it further provides a reliable source of power supply for remote locations that are not easily reached by conventional power lines.

Teknik Solar module TS-P364 offers a range of benefits as a 10 years limited product warranty as well as a linear power warranty for 25 years (power output no less than 97% of the minimum "Peak Power at STC" in the first year; power output decrease no more than 0.7% per year thereafter).



High Quality
Components



Best fit for residential
and small installations



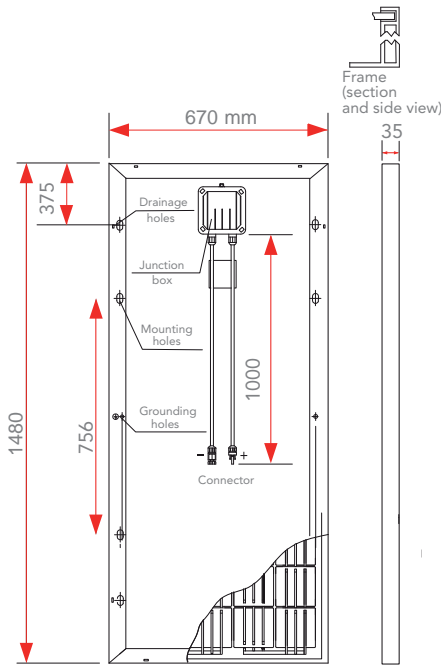
Made in Turkey -



Compact size

TS-P364 SOLAR MODULE

60 cells per module (156 x 156 mm / 6")



Module dimensions are expressed in mm with tolerance ± 2 mm (± 0.079 ")

TEMPERATURE CHARACTERISTICS:

NOCT	46°C
P_{max} Temp. Coeff. (γ)	- 1,01 W/°C
V_{oc} Temp. Coeff. (β)	- 128,4 mV/°C
I_{sc} Temp. Coeff. (α)	4,93 mA/°C
Operating temperature	-40°C to + 85°C

ELECTRICAL CHARACTERISTICS AT STC*:

Module Type: TS-P364		150	160	170
Nominal Power (P_{max})	[Wp]	150	160	170
Tolerance on Nominal Power P_{max}^{**}	[Wp]	-0 / +5	-0 / +5	-0 / +5
Maximum Power Voltage (V_{mp})	[V]	17.66	17.72	17.79
Maximum Power Current (I_{mp})	[A]	8.49	9.02	9.55
Open Circuit Voltage (V_{oc})	[V]	22.37	22.47	22.57
Short Circuit Current (I_{sc})	[A]	8.35	8.90	9.44
Module Efficiency (η_m)		13.53%	14.49%	15.46%
Maximum System Voltage	[V]	1000	1000	1000
Series Fuse Maximum Rating	[A]	15	15	15

*Standard Test Conditions (STC): Irradiance 1000 W/m², Air Mass AM = 1.5, Cell Temperature 25°C; Power measurement uncertainty within $\pm 3\%$.
** Tekniskolar 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.

MECHANICAL CHARACTERISTICS

Solar Cells	36 (4 x 9) polycrystalline silicon, 156 x 156 mm (6") solar cells
Front Glass	3.2 mm (0.157") high-transparency low iron tempered glass
Backsheet	White
Encapsulant	EVA (Ethylene-Vinyl Acetate)
Frame	Anodized aluminum alloy
Junction Box	IP67 rated, with 3 bypass diodes
Cables	UV resistant solar cable 1000mm (39.37"), sec.4.0mm ² (12AWG)
Connectors	MC4 compatible connectors
Dimensions	1480 x 670 x 35 mm (59.29 x 27.04 x 1.37")
Weight	12.0 kg (26.5 lbs)
Max. Load	Wind load: 2400 Pa / Snow load: 5400 Pa

Tekniksolar Enerji Aydınlatma
Sanayi T.C. LTD. T.
Emek Yemez Mah. Okçu Musa Cad.
No:2 Kat:3 i hane stanbul /Turkey
www.tekniskolar.com

