

TS-M364 SOLAR MODULE

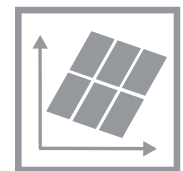
36 MONOCRYSTALLINE CELLS
160-185Wp

Compact photovoltaic module
with reliable power output
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, Teknik Solar monocrystalline solar modules TS-M364 delivering up to 185 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 TS-M364 solar module 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 decline no more than 0.7% per year thereafter).



Best fit for residential
and small installations

Consistent and reliable
yields

Compact size

TS-M364

60 cells pro Module (156 x 156 mm / 6")

ELECTRICAL CHARACTERISTICS AT STC*:

Module type: TS-M364

		160	165	170	175	180	185
Nominal Power (P_{max})	[Wp]	160	165	170	175	180	185
Tolerance on Nominal Power P_{max}^{**}	[Wp]	-0 / +5	-0 / +5	-0 / +5	-0 / +5	-0 / +5	-0 / +5
Maximum Power Voltage (V_{mp})	[V]	18.6	18.8	19.0	19.2	19.4	19.6
Maximum Power Current (I_{mp})	[A]	8.60	8.77	8.94	9.11	9.27	9.43
Open Circuit Voltage (V_{oc})	[V]	23.0	23.2	23.4	23.6	23.8	24.0
Short Circuit Current (I_{sc})	[A]	8.82	8.98	9.15	9.31	9.48	9.65
Module Efficiency (η_m)	%	15.63	16.14	16.64	17.14	17.65	18.15
Maximum System Voltage	[V]	1000	1000	1000	1000	1000	1000
Series Fuse Maximum Rating	[A]	15	15	15	15	15	15

TEMPERATURE CHARACTERISTICS

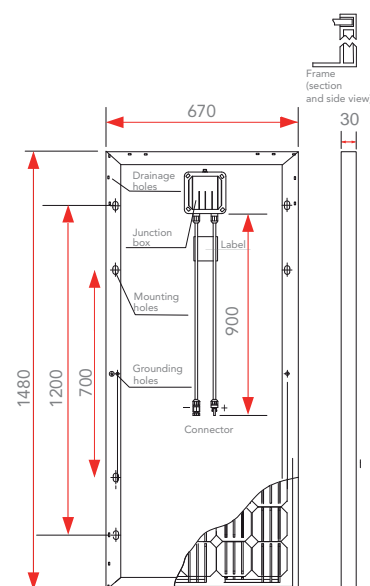
NOCT	45°C ± 2°C
P_{max} Temperature Coefficient (γ)	-0.41 %/°C
V_{oc} Temperature Coefficient (β)	-0.31 %/°C
I_{sc} Temperature Coefficient (α)	0.05%/°C
Operating temperature	-40°C to + 85°C

MECHANICAL CHARACTERISTICS:

Solar Cells	36 (4 x 9) monocrystalline silicon, 156 x 156 mm (6") solar cells
Front Glass	3.2 mm (0.13") high-transparency glass, AR coating
Backsheet	White backsheet
Encapsulant	EVA (Ethylene-Vinyl Acetate)
Frame	Anodized aluminum alloy, silver
Junction Box	IP65 rated, 2 bypass diodes
Cables	UV resistant cable 900 mm (35.43"), sec.4.0 mm ² (12 AWG)
Connectors	MC4 compatible connectors
Dimensions	1480 mm x 670 mm x 30 mm (58.27" x 26.38" x 1.38")
Weight	12 kg (26.5 lbs)
Max. Load	Wind: 2400 Pa / Snow: 5400 Pa

PACKING CONFIGURATION:

Packing Configuration	30 pcs / pallet	Loading Capacity	1305 pcs / 40 ft HQ
-----------------------	-----------------	------------------	---------------------



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

** Tekniksolar 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.

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