



TULSI
SOLAR SYSTEM
THE SUN IS FREE, WHY NOT USE IT?

Mono Solar Module

Technical Data 15W to 100W



Superior module efficiency as per international benchmarks



High durability



salt mist resistant



Excellent performance in low light

APPLICATIONS

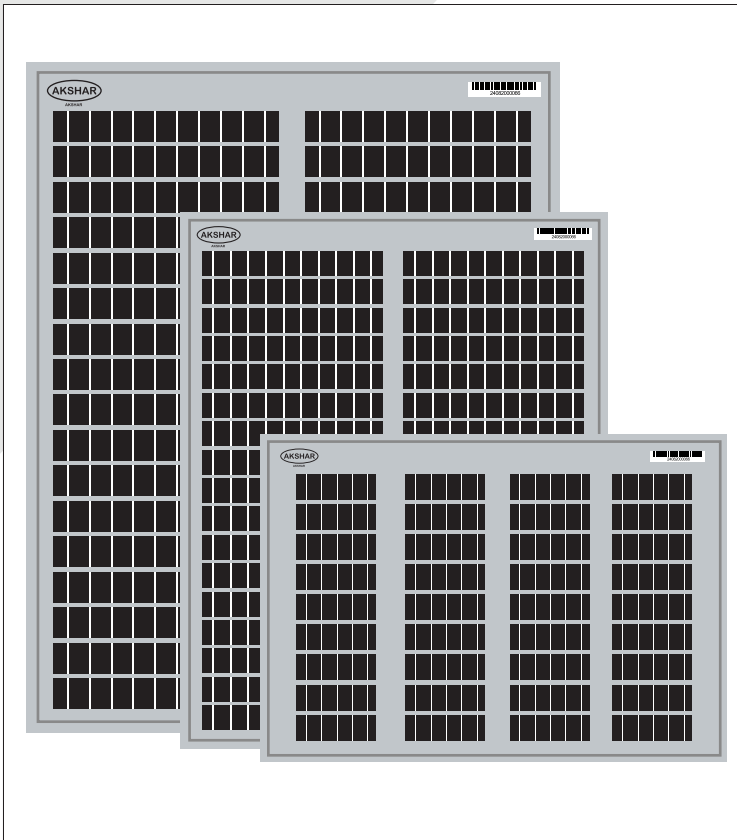
- Ideal for On/Off-Grid applications
- Rural Electrification
- Off-grid solar system
- Mobile solar system
- Solar street light & lantern applications

THERMAL CHARACTERISTICS

Temperature coefficient of Current (Isc), α (%/°C)	0.0051
Temperature coefficient of Voltage (Voc), β (%/°C)	-0.2775
Temperature coefficient of Power (Pm), γ (%/°C)	-0.3859
NOCT (°C)	46 ± 2
Operating temperature range (°C)	-40 to 85

WARRANTY

- 5 Years Product Warranty*
- 10 Years Power Output Warranty**



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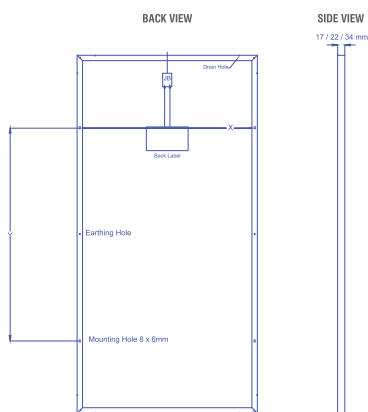


Electrical Parameters All Data Refers To STC (AM 1.5, 1000 W/m², 25° C)

Model	TU15	TU20	TU30	TU35	TU40	TU50	TU70	TU75	TU80	TU100
Peak Power (Pmax)	15 W	20 W	30 W	35 W	40 W	50 W	70 W	75 W	80 W	100 W
Maximum Voltage (Vm)	18.72 V	18.75 V	18.78 V	18.80 V	18.82 V	18.87 V	18.90 V	18.93 V	18.95 V	18.99 V
Maximum Current (Im)	0.81 A	1.08 A	1.61 A	1.98 A	2.14 A	2.66 A	3.71 A	3.97 A	4.25 A	5.3 A
Open Circuit Voltage (Voc)	22.32 V	22.37 V	22.47 V	22.55 V	22.57 V	22.67 V	22.77 V	22.81 V	22.86 V	23.1 V
Short Circuit Current (ISC)	0.85 A	1.14 A	1.71 A	2.05 A	2.26 A	2.82 A	3.8 A	4.0 A	4.3 A	5.4 A
Maximum System Voltage (V)	600/1000 V									
Module Efficiency (%)	8.28	11.04	9.81	12.10	13.08	13.55	13.58	14.55	15.52	14.74

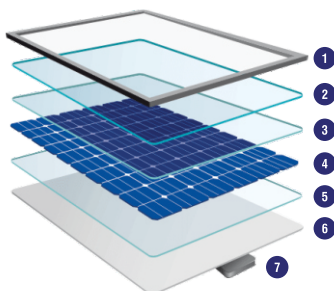
Mechanical Parameters

Model	TU15	TU20	TU30	TU35	TU40	TU50	TU70	TU75	TU80	TU100
Length×Width×Height	540 x 320 x 22 mm		665 x 430 x 35 mm				890 x 430 x 35 mm		1150 x 430 x 35 mm	
Weight	2.5 KG		3.2 KG		3.8 KG	4.6 KG	6.8 KG		8 KG	
Junction Box	IP 65 Certified 2 - rail		IP 65 Certified 2 - rail, 1 Diode				IP 68 Certified 3 - rail, 2 Diode			
Superstrate	High Transmission Low Iron Tempered Glass 3.2 mm									
Cells	Mono Crystalline Cell									
Cell Arrangement	36 Cells									
Cell Encapsulation	EVA (Ethylene Vinyl Acetate)									
Backsheet	Composite Film									
AL Frame	Anodized Aluminum Alloy									
Connector	Optional									
Cable	Optional									
Mounting Holes Pitch (X)-mm	323	323	631	631	631	631	631	631	631	631
Mounting Holes Pitch (Y)-mm	262.5	262.5	230	230	230	277.5	387.5	387.5	387.5	510



All dimensions are in mm
with ±1% Tolerance

- 1) Aluminium Frame
- 2) Solar Tempered Glass
- 3) Encapsulant
- 4) Solar Cell String
- 5) Encapsulant
- 6) Backsheet
- 7) Junction Box



Permissible Operating Conditions:

Operating temperature range(°C)	-40 to +85
Max. system voltage, Vdc	600/1000 V