

Trom Solar Photovoltaic modules offer high efficiencies, long consistent performance life reliable operations for both on and off grid applications.

1. Low power module precisely manufactured to achieve top most module conversion efficiency in the industries.
2. AR coated cell surface to reduce the reflection of sunlight and BSF (Back Surface field) structure to improve cell conversion efficiency.
3. Due to use of high quality and IEC certified raw materials from International reputed brands we assure our modules reliability, durability and consistency when exposed to real usage.
4. Rugged double-coated aluminum-alloy frame for longevity in adverse conditions
5. Every batch of cells is individually inspected for optical & electrical parameters to ensure aesthetic appeal & consistent performance when the module is applied to an array.
6. Manufactured under ISO 9001:2000 QMS & ISO 14001:2004 EMS.

3 - 37 Watt Product Series



Constructive Characteristics

Cells	: 36 (4 x 9/3 x 12) Mono / Multi crystalline silicon cells 125mm / 156mm Scribe cells.
Contacts	: Full length solder dipped & Electroplated
Laminate	: EVA
Front Face	: Anti-reflective structured tempered glass
Back Face	: Multi layer Laminate of Tedlar Material
Frame	: Anodized aluminum 40mm high
Junction Boxes	: IP 65 class 1000 V DC
Cable and connectors	: 2 core x 1.5 sq. mm recommended for use
Diodes	: Includes Schottkey by pass diodes

Constructive Characteristics

MNRE	: Indian GVT approved
TEC	: Indian telecom standards certified
CE, IEC	: National & International quality and performance certified



J - SERIES

Electrical Characteristics

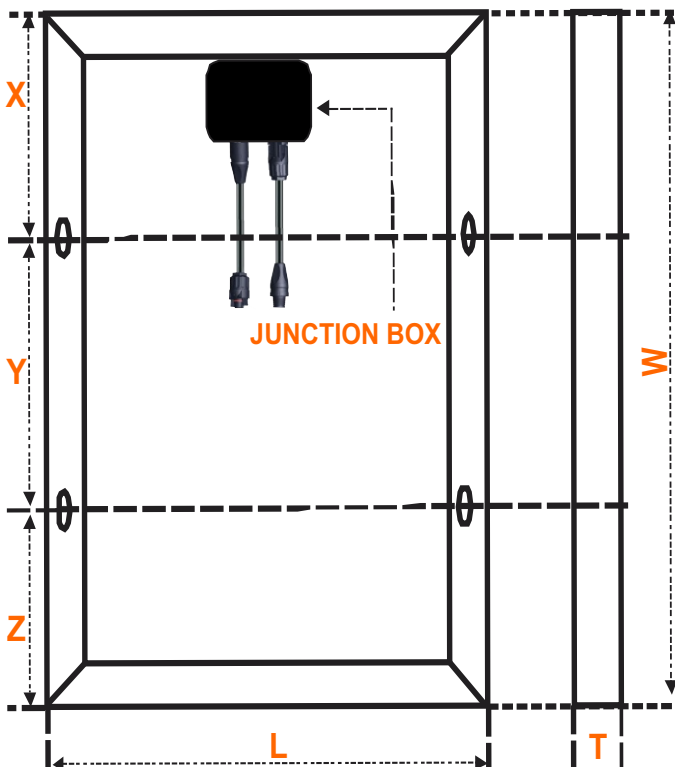
Power (Pmax) in Watts	3 Watt	5 Watt	10 Watt	15 Watt	20 Watt	25 Watt	30 Watt	37 Watt
Open Circuit Voltage (Voc) in Volts	10.8	21.5	21.5	21.5	21.5	21.5	21.5	21.5
Short Circuit Current (Isc) in Amps	0.42	0.35	0.67	0.92	1.35	1.68	2.02	2.4
Voltage at Maximum Power (Vmp) in Volts	8.5	17	17	17	17	17	17	17
Current at Maximum Power (Imp) in Amps	0.35	0.35	0.59	0.88	1.18	1.47	1.76	2.17
Maximum System Voltage	1000	1000	1000	1000	1000	1000	1000	1000

Physical Parameters (refer DWG below)

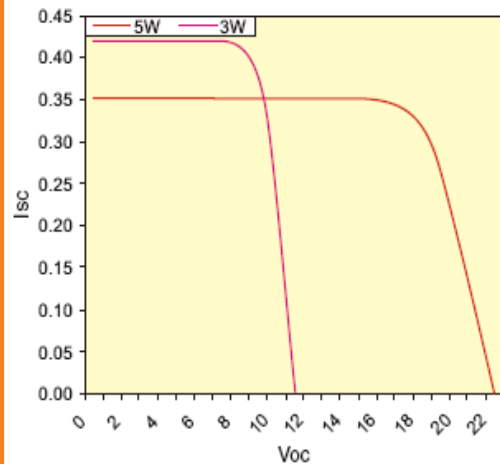
Length (L) mm	250	310	465	465	495	495	660	660
Width (W) mm	180	270	275	275	460	460	550	550
Thickness (T) mm	20	20	20	20	20	20	20	20
Weight - KG	0.7	1.1	1.6	1.6	2.6	2.6	4.5	4.5
Mounting Holes Pitch (X) - mm	75	105	182.5	182.5	180	180	225	225
Mounting Holes Pitch (Y) - mm	100	100	100	100	100	100	200	200
Mounting Holes Pitch (Z) - mm	75	105	182.5	182.5	180	180	225	225

Data under STC: 1000w/m², 25 °C, AM=1.5, Tolerance : 5%

Dimensions Drawing



IV Curves



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