

Total Perfection
Is my strength...
it is me



IEC 61215 : 2005
EN 61215 : 2005
IEC 61730 - 1 : 2004+A1+A2
IEC 61730 - 2 : 2004+A1
EN 61730-1 : 2007+A1+A2
EN 61730-2 : 2007+A1

APPLICATIONS :

"TP" Modules are specifically designed for back-up systems and perform very efficiently in :

- Stands Alone Power Packs.
- Photovoltaic Power Stations
- Rooftop Solar PV Systems
- Standalone PV Systems
- Solar Hybrid Power Systems
- Solar Vehicles
- Solar Water Pumps
- Solar Street Lights
- Lanterns & Solar Home Lighting Systems.

FEATURES OF OUR PANEL :

1. High quality, 3.2mm thick, high transitivity, tempered & toughened glass is used. High durability high transmission glass with Anti Reflecting Coating (ARC) absorbs more sunlight on solar cells.
2. Frame is anodized, pre-fabricated and have smooth edges.
3. Premium quality encapsulated material ensuring high quality lamination and field warranties
4. In-line Electro-Luminescence testing, in order to get best quality modules without micro cracks.
5. Over 30 in-house tests performed
6. Each module manufactured according to TUV guidelines.
7. Independently tested for harsh environment conditions such as Salt Mist Test and PID (Potential Induced Degradation)
8. TP Solar Modules are best in terms of performance & efficiency.
9. Due to stringent quality control our modules will deliver high yields & better ROI.

TECHNICAL SPECIFICATIONS*

Solar Modules

Electrical Characteristics	40Wp	75Wp	100Wp	150Wp	200Wp	250Wp	300Wp
Nominal Maximum Power (Pmax)	40	75	100	150	200	250	300
Short Circuit Current (Isc)	2.8	4.7	6.3	8.6	8.51	8.55	8.6
Operating Voltage (Vmp)	17.9	17.9	17.9	18	24.8	31	36.6
Operating Current (Imp)	2.35	4.27	5.7	8.01	8.07	8.08	8.2
Open Circuit Voltage (Voc)	21.6	21.6	21.6	21.6	29.6	37.25	45.02
Module Efficiency %	>14	>14	>14	>15	>15	>15	>15
Operating Temperature	-40°C to +80°C						
Maximum System Voltage	600V DC						
Maximum Series Fuse Rating	0	0	0	10	10	15	15
Application Classification	Class A	Class A	Class A	Class A	Class A	Class A	Class A
Power Tolerance (±)	3%	3%	3%	3%	3%	3%	3%

Under Standard Test Condition (STC) of Irradiance of 1000 w/m², Spectrum AM 1.5 and Cell Temperature 25°C

Module Data

Cell Type	Poly	Poly	Poly	Poly	Poly	Poly	Poly
Cell Arrangement	41*156	78*156	104*156	156*156	156*156	156*156	156*156
No. of Cell	36	36	36	36	60	72	72
Frame Dimensions	66*52*35	779*666*35	1006*666*35	1486*666*35	1323*982*35	1639*982*42	1965*982*42
Weight (Kg)	4.2	6.5	9	12	13.5	18.5	21.55
Junction Box	IP65	IP65	IP65	IP65	IP67	IP67, 3 Diodes	IP67, 3 Diodes
Cable & Connectors	N/A	N/A	N/A	N/A	N/A	4mm ² AWG 1000	V/MC 4 connectors TM

Temperature Characteristics

Temperature Coefficient (Pmax)	(-) 0.43 %/K
Temperature Coefficient (Voc)	(-) 0.36/K
Temperature Coefficient (Isc)	(-) 0.06%/K

Standard Test Condition (STC)

- Irradiance 1000W/m²
- Cell Temperature 25°C
- AM=1.5

Normal Operating Cell Temp. (NOCT)

- Irradiance 800W/m²
- Cell Temperature 20°C
- AM=1.5

* Specifications may change due to continuous improvements and R&D

ENJOY LIFE NON-STOP WITH TOTAL PERFECTION

POWER PRODUCTS • LED LIGHTINGS • SOLAR SOLUTIONS • HOME APPLIANCES

Marketed by:

TP IMPEX LIMITED

28/6/5, First Floor, Near MC Primary School,

Near Rohini Sector-18 Metro Station, Badli, New Delhi 110042, India

Ph.: +91 9873400338, 39 | E: info@tpil.in | W : www.tpil.in

Certificates



Authorised Dealer: