

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 feild 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	60Wp	75Wp	100Wp	165Wp	250Wp	265Wp	340Wp
Nominal Maximum Power (Pmax)	60	75	100	165	250	265	340
Short Circuit Current (Isc)	3.74	4.7	6.3	9.50	8.55	9.15	9.40
Operating Voltage (Vmp)	18	17.9	17.9	18.50	30.50	31	38.50
Operating Current (Imp)	3.33	4.27	5.7	8.91	8.20	8.54	8.84
Open Circuit Voltage (Voc)	21.6	21.6	21.6	22.50	36.50	37	45.50
Module Efficiency %	>14	>14	>14	>15	>15	>15	>15

Operating Temperature	-40°C to +80°C						
Maximum System Voltage	1000V 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/m ² , 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 Dimension	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 R&D



ENJOY LIFE NON-STOP WITH TOTAL PERFECTION

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