

DIAMOND

PV MODULES WITH X-FACTOR



POLYCRYSTALLINE MODULES

60 CELLS

245-265Wp

POWER OUTPUT RANGE

Founded in 1997, Alpex Exports Pvt. Ltd (AEPL), is a multi-locational, multi-business enterprise with diverse business activities consisting of

- › Solar Panel Manufacturing
- › Wind Energy Generation
- › International Trading

Head quartered in New Delhi, India; the state-of-the-art offices are located in Jaipur, Ludhiana, Mumbai, Greater Noida, Patna, Tirupur, Seoul and Sydney.

Our world-class assembly line is spread over an area of 90,000 sq feet, with technology from Spire Corporation – USA, a leading supplier of PV assembly and manufacturing line. We aim to become a significant global player in the field of highly specialized high power photovoltaic modules which are not only world class but also most cost effective. Our current capacity is over 100 MW and with a new plant in Greater Noida which will be operational before the end of 2015, the total capacity will be increased to 150 MW. Which shortly will be expanded to 250 MW.



ISO 9001 : 2008 • ISO 14001 : 2004
OHSAS 18001 : 2007 CERTIFIED COMPANY (100% EOU)



Xtra Long Life



Xtremely Compact Size



Xtra Energy / Power



Super BOM and super efficient cell for super performance.

Wakes up early, sleeps late.

Positive tolerance & PID free with RFID.

MNRE approved.

Rated No. 7 in photon lab test report Germany.

Fully automated robotic plant.



IEC 61215, IEC 61730, IEC 61701 approved.



SOLAR POWER PLANTS

SOLAR PV PANELS

SOLAR PUMPS

SOLAR EPC

SOLAR ELECTRICITY (RESCO)

DIAMOND

PV MODULES WITH X-FACTOR



Electrical Parameter Data Sheet of Solar Module

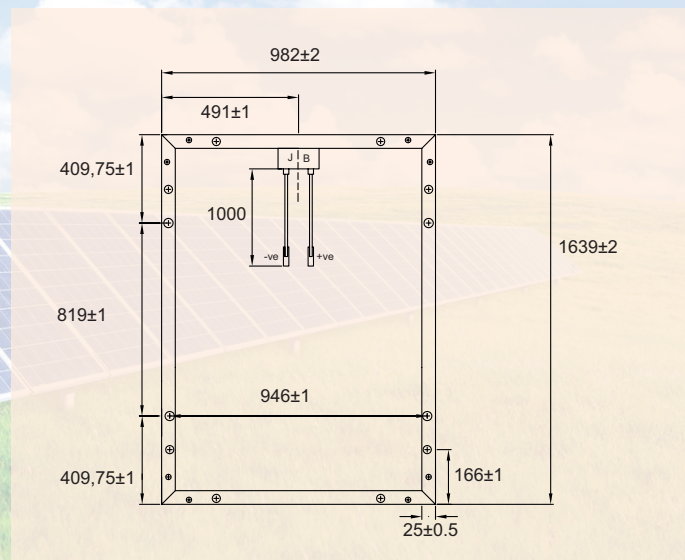
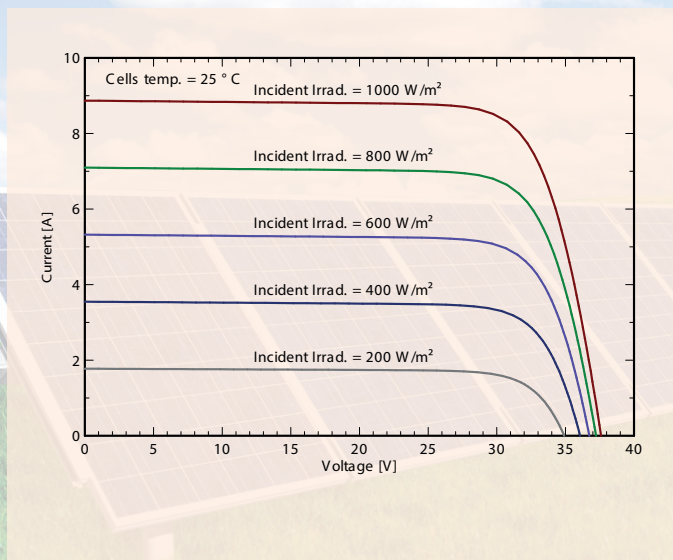
| Module P _{max} (W) | Module Size | Tolerance (%) | Volt Class (V) | Max. Power Voltage (V) | Max. Power Current (I) | Open Circuit Voltage (V) | Short Circuit Current (I) | Max. System Voltage (V) | Weight (Kg) | Module Eff% | Mounting Hole Dimension (mm) | Mounting Hole X-axis (mm) | Mounting Hole Y-Axis (mm) | No of cells |
|-----------------------------|-------------|---------------|----------------|------------------------|------------------------|--------------------------|---------------------------|-------------------------|-------------|-------------|------------------------------|---------------------------|---------------------------|-------------|
| 245 | 1639x35x982 | -0+2.50 | 24 | 29.70 | 8.25 | 36.92 | 8.65 | 1000 | 17.50 | 15.23 | 6.90 | 946 | 819.50 | 60 |
| 250 | 1639x35x982 | -0+2.50 | 24 | 29.95 | 8.35 | 37.20 | 8.75 | 1000 | 17.50 | 15.60 | 6.90 | 946 | 819.50 | 60 |
| 255 | 1639x35x982 | -0+2.50 | 24 | 30.30 | 8.42 | 37.60 | 8.87 | 1000 | 17.50 | 15.85 | 6.90 | 946 | 819.50 | 60 |
| 260 | 1639x35x982 | -0+2.50 | 24 | 30.65 | 8.55 | 37.80 | 8.93 | 1000 | 17.50 | 16.16 | 6.90 | 946 | 819.50 | 60 |
| 265 | 1639x35x982 | -0+2.50 | 24 | 30.78 | 8.60 | 37.87 | 9.08 | 1000 | 17.50 | 16.47 | 6.90 | 946 | 819.50 | 60 |

Temperature Coefficient & Nominal Operating Conditions

| | |
|----------------------------|---------------|
| NOCT* | 46°C ± 2°C |
| Coefficient Power (%/°K) | -0.39%/°K |
| Coefficient Voltage (%/°K) | -0.31%/°K |
| Coefficient Current (%/°K) | 0.05%/°K |
| Temperature Range | -40°C to 85°C |

Due to constant product modifications, Alpex reserves the right to amend the above specifications without prior notice.

IV Curves for 255Wp Polycrystalline Module



All Dimensions in mm.

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