

**FOR BETTER TOMMOROW
WE DELIVERING TODAY**

**CATALOG
MONO
SOLAR**

**OF 550W
CRYSTALLINE
PANEL**

More Products

**SOLAR SOLUTIONS
ONLINE UPS
BATTERY CHARGERS
LITHIUM BATTERIES**

NINE⁹ENERGY™
CONNECT SOLAR



Mono-Crystalline Solar Panels

72 Cell Modules

STC

All data refers to STC (AM 1.5, 1000W/m², 25 °C)

Maximum Power at STC (P max)	550W
Optimum Operating Voltage (Vmp)	42.05V
Optimum Operating Current (Imp)	13.08A
Open Circuit Voltage (Voc)	49.88V
Short Circuit Current (Isc)	14.11A
Module Efficiency	20.99%
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 V DC (IEC)

- 1) STC: 1000 W/m² irradiance, 25oC cell temperature, AM1.5g spectrum according to EN 60904-3.
Average relative efficiency reduction of 5% at 200 W/m² according to EN 60904-1.
- 2) Power measurement uncertainty is within +/- 3%.

NMOT

Maximum Power at NMOT (Pmax)	419+-2 °C
Optimum Operating Voltage (Vmp)	38.8V
Optimum Operating Current (Imp)	10.81A
Open Circuit Voltage (Voc)	47.2V
Short Circuit Current (Isc)	11.38A

- 2) NOCT irradiance 800 W/m², ambient temperature 20 °C, wind speed 1 m/sec.

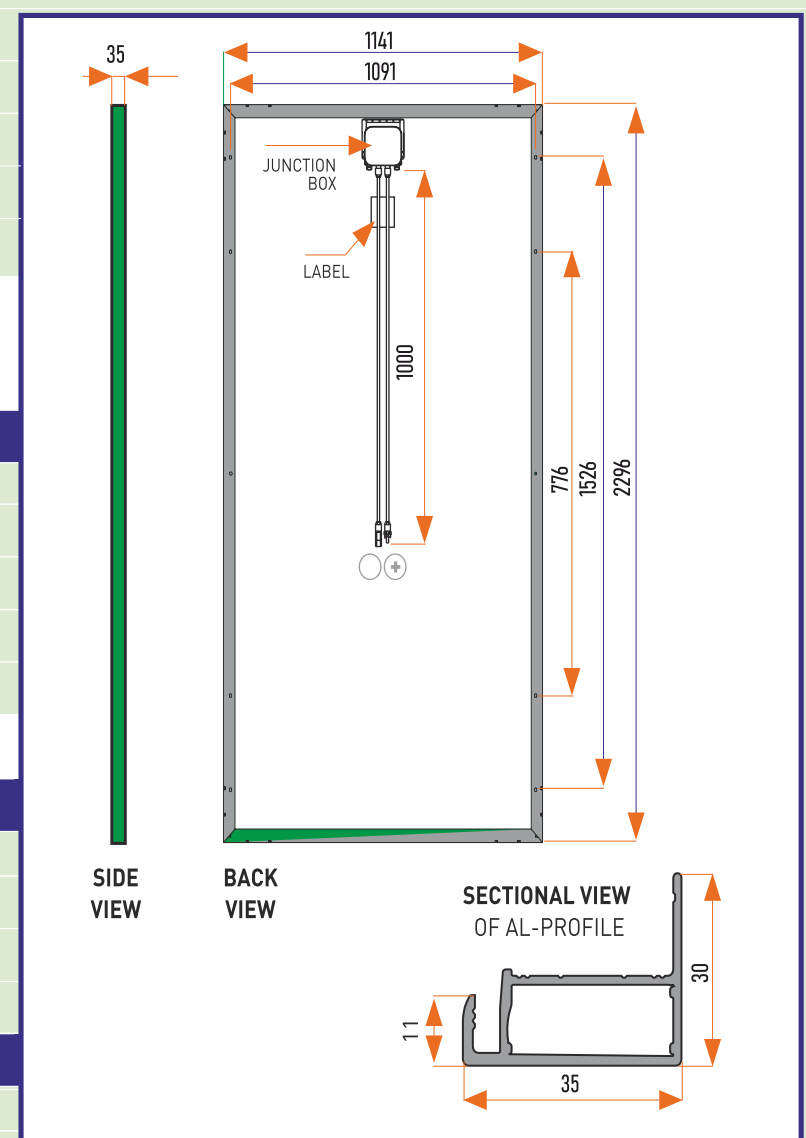
Temperature Coefficients (Tc) permissible operating conditions

NMOT	42+-°C
Temperature Coefficient of Pmax	-0.320%/°C
Temperature Coefficient of Voc	-0.260%/°C
Temperature Coefficient of Isc	0.046%/°C

Mechanical Data

Solar Cell	91mm X182mm
No . of Cells	144 (6x24)
Dimensions	2296 x 1141 x 35mm
Weight	29.5K gs
Front Glass	3.2mm fully tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 bypass diodes)
Output Cables	4.0mm ²
Connectors	Mc4

Dimensions in mm



9Energy Solar Solutions

207-208 1st Floor, Chandan Park Street 4, Siraspur, New Delhi - 110042



info@9energysolar.com / 9energysolar@gmail.com



www.9energysolar.com



Toll Free : 1800 11 2454



@9energysolar