

Solar Panel

390 Wp - 410 Wp

**MONO PERC HALF-CUT / PERC BIFACIAL
TST 108 MPH**



30 Years Warranty for
Linear Performance[#]



12 Years Product Warranty on
Materials and Workmanship[#]



20.95% Rated Efficiency



Positive Power Tolerance
(-0 / +3%)

TRANSITION TO A BRIGHTER TOMORROW



PID Resistance



SMBB Technology



Auto Bussing & Soldering Technology



Enhanced Mechanical Load



High Power Output

COMPANY & PRODUCT CERTIFICATIONS

IS 14286, IEC 61215, IEC 61730, IEC 62804, IEC 61701
ISO 9001:2015 - Quality Management System
ISO 14001:2015 - Environment Management System
ISO 45001:2018 - Occupational Health and Safety



Technology Partner:
Total Solar Technologies Private Limited



ELECTRICAL DATA AT STC*

Rated power (P_{mpp})	390 W	395 W	400 W	405 W	410 W
P_{mpp} range to	0 + 3 W	0 + 3 W	0 + 3 W	0 + 3 W	0 + 3 W
Rated current (I_{mpp})	12.48 A	12.62 A	12.69 A	12.78 A	12.87 A
Rated voltage (V_{mpp})	31.26 V	31.32 V	31.53 V	31.70 V	31.86 V
Short-circuit current (I_{sc})	13.35 A	13.49 A	13.57 A	13.67 A	13.77 A
Open-circuit voltage (V_{oc})	36.77 A	36.77 A	36.93 A	37.15 A	37.31 A
Efficiency at STC up to	19.88 %	20.13 %	20.39 %	20.64 %	20.90 %

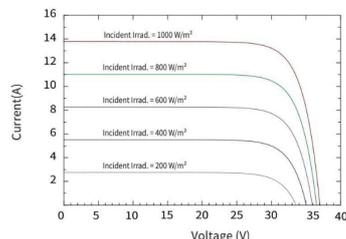
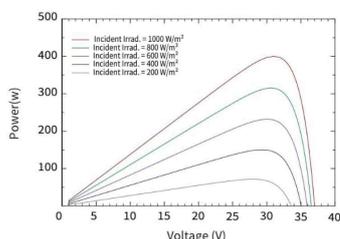
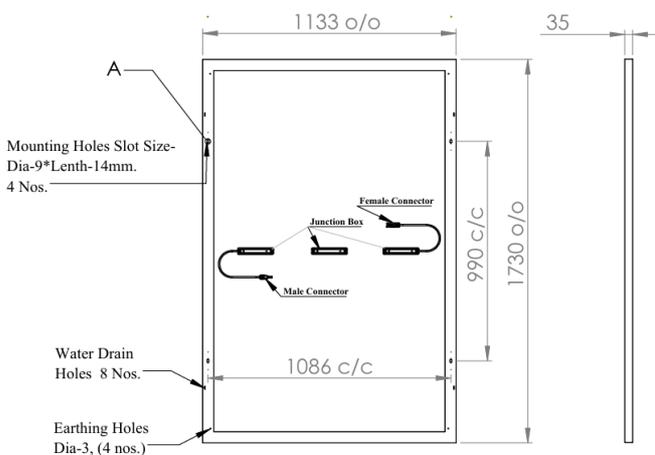
* Irradiance 1000 W/m². Module Temperature 25°C. Air Mass 1.5.

ELECTRICAL DATA AT NOCT**

Rated power (P_{mpp})	390 W	395 W	400 W	405 W	410 W
Power At (P_{mpp})	293.13 W	294.35 W	298.35 W	301.04 W	304.93 W
Rated current (I_{mpp})	10.02 A	10.04 A	10.09 A	10.13 A	10.21 A
Rated voltage (V_{mpp})	29.25 V	29.33 V	29.56 V	29.71 V	29.86 V
Short-circuit current (I_{sc})	10.73 A	10.74 A	10.79 A	10.83 A	10.89 A

**Irradiance 800 W/m². Wind Speed 1 m/s. Ambient temperature 20 °C. Cell operating temperature 45 ± 2 °C. Air mass 1.5.

DESIGN SPECIFICATIONS



SPECIFICATIONS

Numbers of cells	108 (6 X 18) 91 X 182 mm
Dimensions	1730 X 1134 X 35 mm
Weight	22.0 kg
Front-side glass	3.2 mm Tempered Low Iron Glass
Frame	Stable, Anodized Aluminum Frame
Junction box	Split Junction Box (IP68)
Cable	4 mm ² , +400mm / 300mm Custom Length
Diodes	3 Diodes
Plug-in connection	MC4 Compatible
Hail test (maximum hailstorm)	45mm 23 m/s 83 km/h

LIMITING VALUES

Maximum system voltage (V)	1500 VDC (IEC)
Maximum return current (I)	25 A
Operating Temperature (T_{op})	-40 to +85 °C
Maximum tested pressure load	5400 Pa
Maximum tested tensile load	2400 Pa

TEMPERATURE COEFFICIENT

I_{sc}	V_{oc}	P_{max}
0.05% / °C	-0.28% / °C	-0.36% / °C

PACKING CONFIGURATION

Eicher	22 feet
Pallets Per Eicher	12
Pieces Per pallets	30
Pieces Per Eicher	360

Caution: Please read safety and installation instructions before using the product.
#Warranty: Linear performance warranty for 30 years, with degradation up to 1% in 1st year and 0.4 %/year from year 2 to year 30. Please read NECON warranty documents thoroughly.
Disclaimer: Specifications included in the datasheet are subject to change without prior notice owing to continuous innovation in the Product Development and R&D Activities. NECON Solar Power Pvt. Ltd. reserves the right to make any adjustment to the information described here. Dataset contained in this specification do not form a representative of a single module data. @T&C Apply.