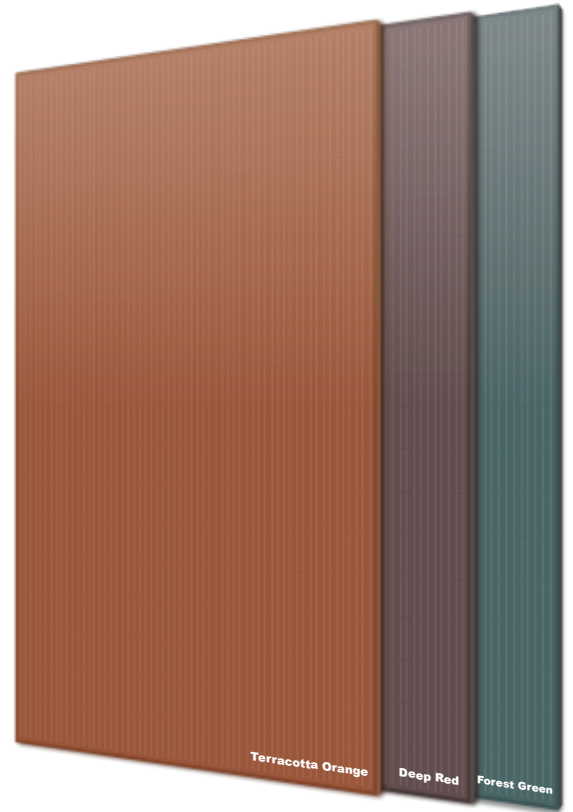
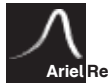


## 370W/380W/390W

Cortex™ series of solar modules by Omnis Solar Power are very powerful which provide the world-class performance. The Cells and raw materials structure design ensures the maximized of sunlight and enhances the reliability. Cortex™ includes the most leading technologies of solar cells like PERC, N-Topcon, HJT, and shingled. After years of effort, Cortex is able to increase customer's value beyond the efficiency, the performance and durability under real conditions makes our customers succeed no matter in residential or commercial applications.



## Highlight



### Roofing Aesthetics with multiple colours

Cortex has been designed with aesthetic in mind, the multiple colourful glasses looks well integrated to roof tiles or building ,creates on modern and improved aesthetic.



### High efficiency Topcon Cells

Built with highest efficiency of TOPcon solar cells to ensure the output are similar with regular colour modules.



### Longer life span with 25 years warranty

Built with high reliable raw-materials, omnis extended the warranty period up to 25 years for both performance and workmanship which is on top level of the industry for backsheet modules.



### Lower power degradation with more generation

Ensured PID resistance through cell process and module material control to help harvest more, guaranteed only 0.4% annual power degradation .

## About Omnis Solar Power

In the year of 2010, Omnis Solar Power was created by a group of passionate people in U.S who are dedicating into renewable energies. Since more than 10 Years, Omnis Solar Power has grown to become one of the most innovative and dependable solar product and solution provider. Omnis Solar Power offers sustainability and brings the future to both commercial and residential applications worldwide with top-of-the-line solar products, solutions, and services. Being an qualified PV company means operating in a way that reflects our values and mission to provide our partners with the innovation and quality they deserve. Omnis Solar Power is committed to upholding the standards and responsibility that made us one of the best.

## Electrical Data (STC)

Part Number	OP370M10C	OP380M10C	OP390M10C
Peak Power Watts- $P_{MAX}(Wp)^*$	370	380	390
Power Output Tolerance	0/+5W		
Open Circuit Voltage- $V_{oc}(V)$	38.58	38.75	38.87
Short Circuit Current- $I_{sc}(A)$	11.95	12.19	12.22
Maximum Power Voltage- $V_{MPP}(V)$	32.41	32.48	32.54
Maximum Power Current- $I_{MPP}(A)$	11.42	11.70	12.04
Panel Efficiency(%)	18.97	19.49	19.97

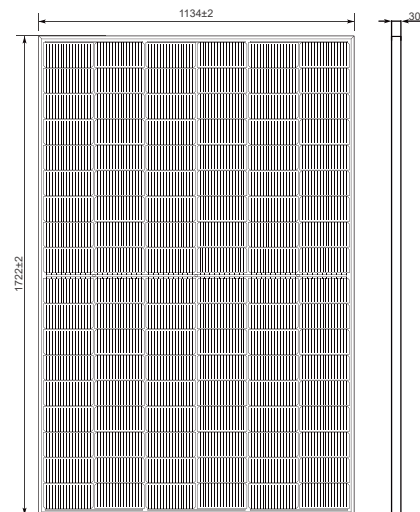
STC :Irradiance 1000w/m<sup>2</sup>, Cell Temperature 25°C

## Electrical Data (NOCT)

MaximumPower- $P_{MAX}(Wp)^*$	278	286	294
Open Circuit Voltage- $V_{oc}(V)$	36.67	36.83	36.24
Short Circuit Current- $I_{sc}(A)$	9.65	9.84	10.06
Maximum Power Voltage- $V_{MPP}(V)$	30.17	30.24	29.93
Maximum Power Current- $I_{MPP}(A)$	9.22	9.45	9.84

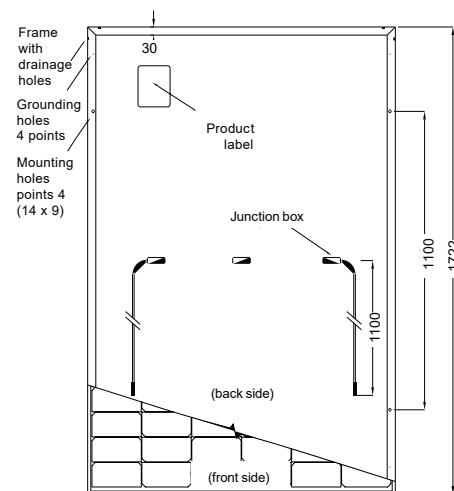
NOCT:Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

## DIMENSIONS OF PV MODULE(mm)



## Mechanical Data

External Dimensions	1722x1134x30mm
Weight	20.8kg
Glass	Red/Orange/Green, High transmission, Low iron, Tempered, ARC, Thickness 3.2 mm
Cells	108 monocrystalline half-cut N-type cells 182 x 91 mm
Frame	Varnished anodized aluminium frame with mounting and drainage holes
Junction boxes	Certified according to IEC 62790, IP 68 approved, 3 bypass diodes
Cables	Solar cable, length 1100 mm or customized assembled with 4mm <sup>2</sup> compatible connectors
Backsheet	Composite Multilayer film - white



Note: dimensions in mm, tolerance +/- 2 mm

## Temperature Ratings

NOCT	45.0°C(±2°C)
Temperature Coefficient of $P_{MAX}$	-0.29%/°C
Temperature Coefficient of $V_{oc}$	-0.28%/°C
Temperature Coefficient of $I_{sc}$	+0.05%/°C

(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

## Maximum Ratings

Operational Temperature	-40~±85 °C
Front/Rear Side Load	5400/2400pa
Max Series Fuse Rating	25A
Max System Voltage	1500V (IEC)
Fire Rating	Class 1(UNI9177)

## Warranty

25 years Product Workmanship Warranty	Modules per box:36 pieces
25 years Output Power Warranty	Modules per 40'container:936 pieces

## Packaging Configuration

