



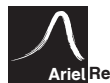
Lightweight Solar

S330M40BPV

Lightweight Solar supplies innovative, high-quality photovoltaic modules and energy solutions for residential, commercial and specialized applications. We focus on reliable products that make clean energy easier to deploy.

With a commitment to quality, innovation and customer satisfaction, Lightweight Solar helps individuals, businesses and communities harness solar energy and move toward a more sustainable future.

The LWS Blade series is designed for building integration, agriculture, solar fences and other applications requiring higher-transparency modules.



High transparency , high efficiency

The optimized number and width of main gate lines, ensure the sunlight can go through and high efficiency of cells maximize the power generation.



Half-Cut Cell design

Half cut cell technology can reduce the internal power loss and improve the output power. Excellent heat dissipation avoids hot spot production



Longer life span with 30 years warranty

Lightweight Solar provides a 30-year performance and workmanship warranty for this bifacial double-glass module. workmanship which is on top level of the industry for bifacial double glassed 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 .

S.bladeTM
BIPV
Frameless

330W

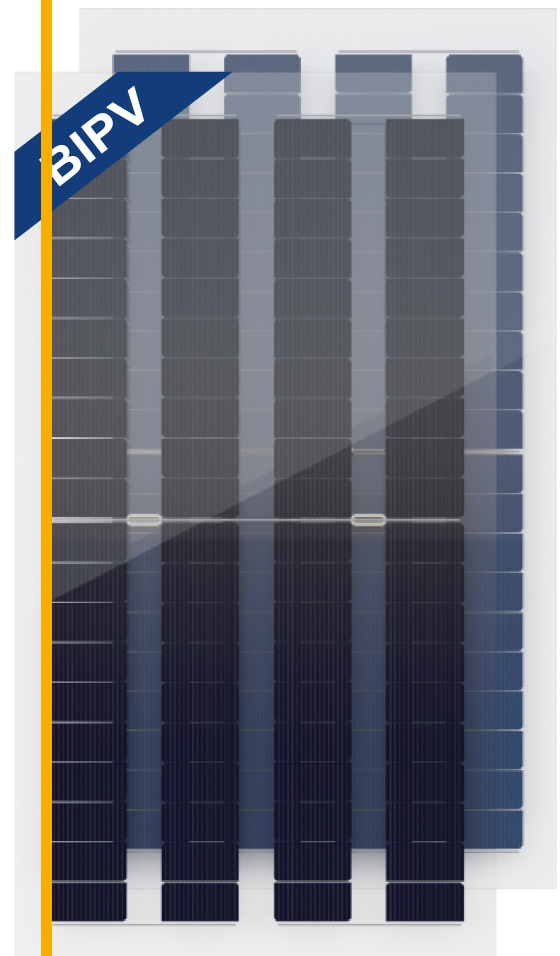
Maximum Output Power

80

Bifacial Cells

45%

Transmittance



Electrical Data (STC)

Part Number	S330M40BPV
Peak Power Watts- $P_{MAX}(Wp)^*$	330
Power Output Tolerance	0/+5W
Open Circuit Voltage- $V_{oc}(V)$	28.12
Short Circuit Current- $I_{sc}(A)$	13.77
Maximum Power Voltage- $V_{MPP}(V)$	24.60
Maximum Power Current- $I_{MPP}(A)$	13.01
Module Efficiency- $\eta(\%)$	19.55

STC :Irradiance 1000w/m², Cell Temperature 25°C *Mearsure tolerance:±3%

Mechanical Data

Panel Dimension(H/W/D)	2088×1128×5 mm
Weight	27kg
Cell Type	N-Topcon cells
Cell Number	80 (40x2)
Front/Back Glass	2 mm+2 mm tempered glass
Frame	Aluminum
Junction Box	IP67
Output Cables	4.0mm ² , 120cm (+), 120cm (-), length can be customized
Connector	MC4 Compatible

Temperature Ratings

Nominal Operating Cell Temp.(NOCT)	45°C(±2°C)
Temperature Coefficient of P_{MAX}	-0.290%/°C
Temperature Coefficient of V_{oc}	-0.250%/°C
Temperature Coefficient of I_{sc}	+0.045%/°C

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

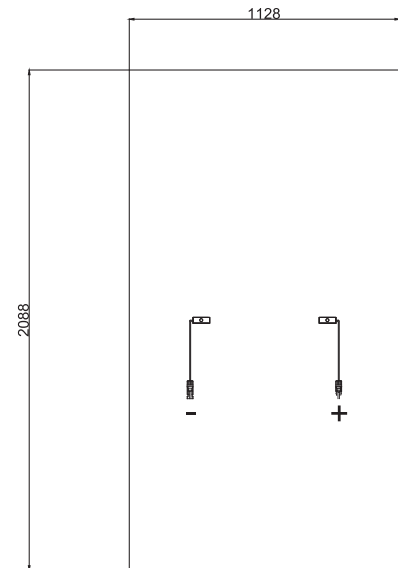
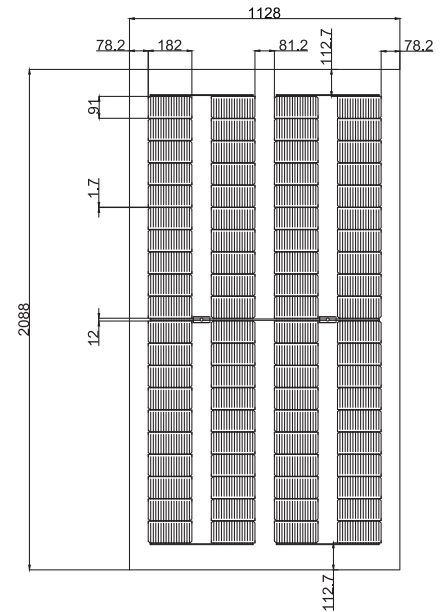
Packaging Configuration

Modules per box	34 pieces
Modules per 40'container	612 pieces

Warranty

Product Workmanship Warranty	30 years
Output Power Warranty	30 years

Dimensions of PV Module(mm)



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 A