

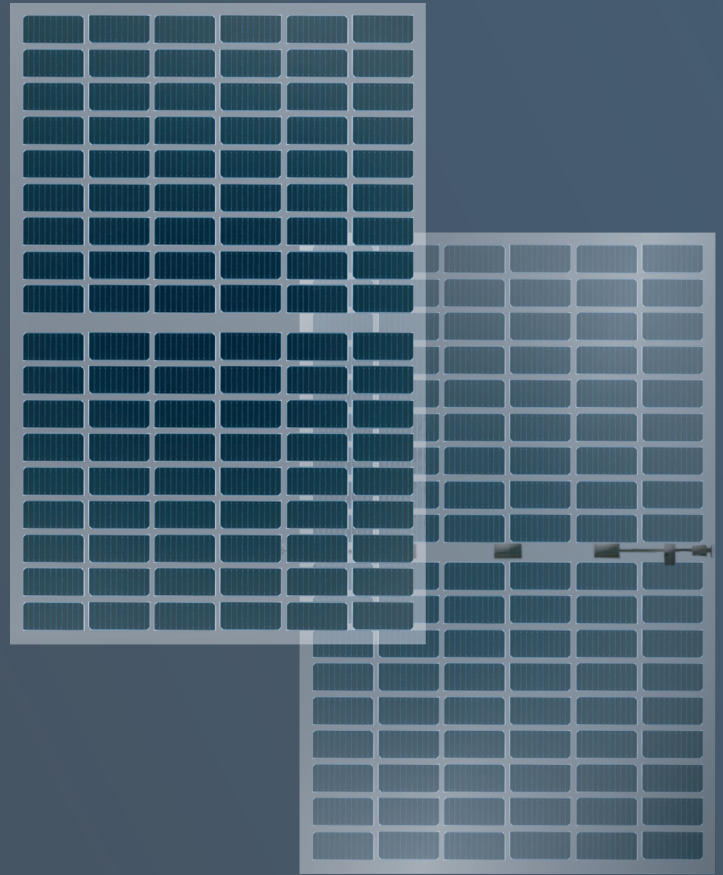
HALF CELL Double Glass

108 CELLS
MONOCRYSTALLINE MODULE

410W
POWER OUTPUT RANGE

20.97%
MAXIMUM EFFICIENCY

0 to ±3%
POSITIVE POWER TOLERANCE



DESIGNED IN USA
MADE IN ARMENIA

30 YEAR WARRANTY

Main Characteristics



Mismatch loss reduction for maximum efficiency



Reduced power loss by minimizing the effect of shadow shading



Competitive low light performance



Two EL tests to ensure the best quality

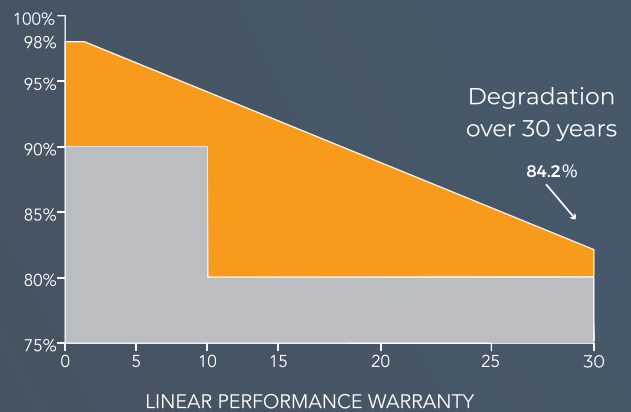


BOS's reduced and increased ROI is ideal for commercial and industrial scale projects



Proven reliability through PVEL's rigorous weatherproofing tests:

- Dust, acid, and alkali resistance, hail test
- 2400Pa wind pressure and 5400Pa snow pressure
- Anti-PID



QUALIFICATIONS AND CERTIFICATES



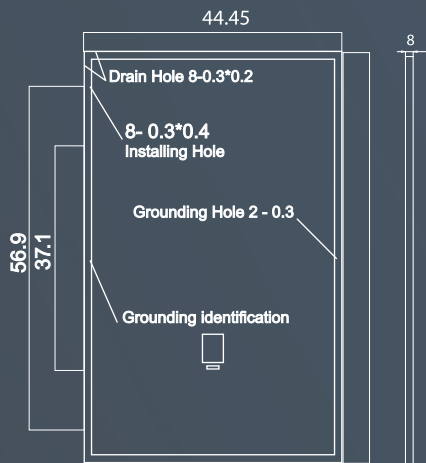
UL/IEC61215, UL/IEC61730
ANTI-PID IEC TS 62804-1:2015
ISO9001, ISO14001, ISO45001



Component Model

Double Glass

Parameter	Value
Maximum Power (Pmax)	410W
Module Efficiency	20.97%
Open Circuit Voltage (Voc)	37.5V
Short Circuit Current (Isc)	13.88A
Maximum Power Voltage (Vmp)	31.20V
Maximum Power Current (Imp)	13.15A
Power Tolerance	±3%
Maximum System Voltage	1500V
Maximum Rated Fuse Current	35A
STC: Irradiance	1000 W/m ²
Module Temperature	25 °C



Temperature Characteristics

Maximum Power Temperature Coefficient (TC Pmax)	-0.35 % / °C
Temperature Coefficient of Open Circuit Voltage (TC Voc)	-0.27 % / °C
Temperature Coefficient of Short Circuit Current (TC Isc)	0.05 % / °C
Working Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature (NOCT)	46 ± 2 °C

Structural Characteristics

Module Size	1719 x 1129 x 8mm
Weight	37kg
Cell type	MONO PERC 182 x 91mm (108 pieces)
Front Glass/Back Glass	3.2mm tempered coated glass / 4mm
Frame	Black anodized aluminum alloy
Junction Box	IP68, 3 diodes
Mechanical Load	front 5400Pa / back 2400Pa
Connector	MC4
Wire Type	compatible PV wire
Fire Performance	Type 1
Protection Class	Class II (Classified as per IEC 61140)

