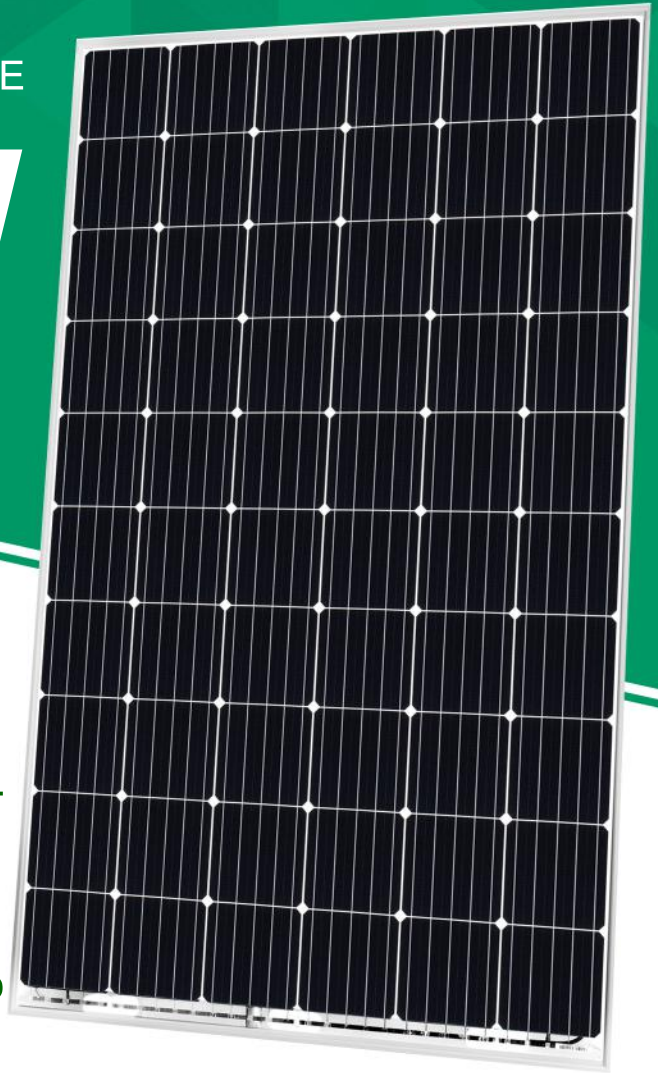









60 CELLS MONOCRYSTALLINE MODULE

290-320W



FEATURES

-  17.8-19.7% MAXIMUM EFFICIENCY
-  0~+5W POWER TOLERANCE
-  FULLY AUTOMATED ADVANCED SOLAR PLANT
-  100% A GRADE CELLS ONLY
-  EVERY MODULE DOUBLE TESTED & CHECKED
-  PRODUCTION BASE IN VIETNAM
-  NO COMPROMISE ON QUALITY

EVVO

WORLD CLASS SOLAR MODULES

PRODUCT SPECIFICATIONS

MAXIMIZE LIMITED SPACE WITH TOP-END EFFICIENCY

Up to 180 W/m² power density
Low thermal coefficients for greater energy production at high operating temperatures
1500V UL/1500V IEC certified

HIGHLY RELIABLE DUE TO STRINGENT QUALITY CONTROL

Over 30 in-house tests (UV, TC, HF, and many more)
In-house testing goes well beyond certification requirements
100% EL double inspection

CERTIFIED TO WITH STAND CHALLENGING ENVIRONMENTAL CONDITIONS

2400 Pa wind load
35 mm hail stones at 97 km/h
5400 Pa Snow load

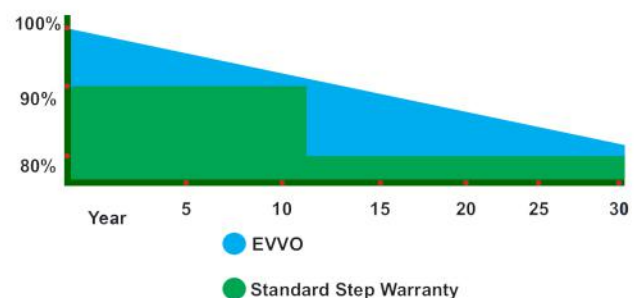
12
Years

PRODUCT WARRANTY

30
Years

PERFORMANCE WARRANTY

LINEAR PERFORMANCE WARRANTY



Electrical Specifications (standard test conditions)

Maximum Power - P_{MAX} (Wp)	290	295	300	305	310	315	320
Power Tolerance - P_{MAX} (W)	0 ~ +5%						
Maximum power point of operating voltage - P_{MPP} (V)	32.2	32.5	32.6	32.9	33.2	33.5	33.8
Maximum power point of operating current) - I_{MPP} (A)	9.01	9.08	9.19	9.28	9.31	9.34	9.37
Open circuit voltage - V_{oc} (V)*	38.9	39.7	39.9	40.0	40.3	40.7	41.0
Short circuit current - I_M (A)	9.66	9.68	9.77	9.85	9.88	9.91	9.94
Module Efficiency η_m (%)	17.8	18.1	18.3	18.7	19.1	19.4	19.7

Standard test conditions under Measured Value:(air quality AM1.5, Irradiance 1000W / m², cell temperature 25°C)

Electrical Index (under nominal operating cell temperature conditions)

Maximum Power - P_{MAX} (Wp)	216	220	223	227	230	234	237
Maximum power point of operating voltage - P_{MPP} (V)	29.9	30.2	30.4	30.6	30.8	31.0	32.0
Maximum power point of operating current) - I_{MPP} (A)	7.23	7.28	7.35	7.42	7.47	7.51	7.56
Open circuit voltage - V_{oc} (V)*	36.7	36.9	37.1	37.3	37.5	37.7	37.9
Short circuit current - I_M (A)	7.67	7.71	7.78	7.84	7.89	7.94	7.99

NOCT: Irradiance 800W / m², ambient temperature of 20°C, wind speed 1m / s

Temperature Rating

		Limit parameter	
Nominal Operating Cell Temperature (NOCT)	44°C (±2°C)	Working Temperature	-40~+85°C
Maximum power (P _{MAX}) Temperature Coefficient	- 0.39%/°C	Maximum system voltage	1500V DC (IEC)
Open-circuit voltage (VOC) Temperature Coefficient	- 0.29%/°C		1500V DC(UL)
Short circuit current (ISC) Temperature Coefficient	0.05%/°C	Maximum fuse rated Current	15A

Mechanical Specifications

Solar cell Type	156.75mm × 156.75mm Mono-crystalline
Number of Cells	1 module 60pieces (6 × 10)
Dimensions	1640 × 992 × 35 mm
Weight	18.6 kg
Glass	3.2mm, High transparency, anti-reflective coatings toughened glass
Backsheet	White /Black
Frame	Silver, anodized aluminum
Junction Box	Protection level IP 68
Cable	4.0 mm ² , 1000 mm Photovoltaic dedicated cables
Connector	MC4 compatible

P60 Module Packing

Name	Dimensions (mm)	Weight (kg)
Pallet	1680*1130*123mm	29
Carton Box(30pcs)	1670*1120*1000mm	10
Carton Box (2pcs)	1670*1000*80mm	2

30 pcs single pallet dimension height : 1123mm Weight : 598KG
 Height of 2 pallet stacking 2 pallet per box 2pcs : 2406mm Weight : 1243.4KG

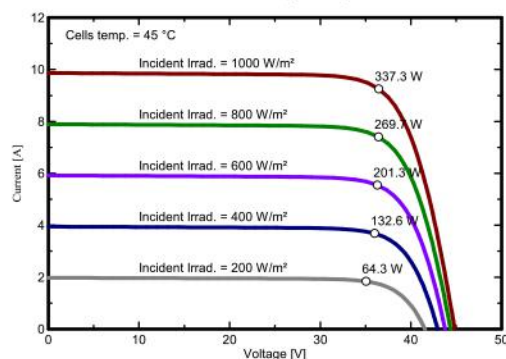
* Please refer to product warranty for details Packaging Method

Modules per box: 30 pcs
 Modules per 40 ft container: 840 pcs

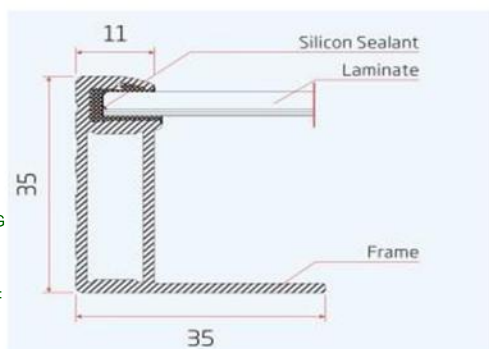
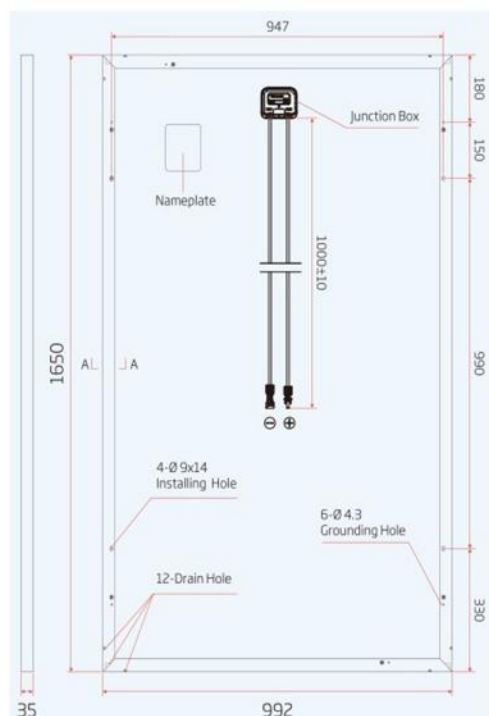
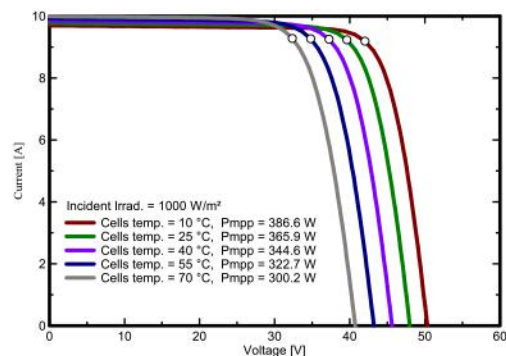
* Installation depends on the mechanical load

Maximum stacking height of P60 Module Packing : 30 pcs per box allow stacking of the same 30 pcs box, Plus 2 boxes per box 2pcs ;

PV module: EVVO, EVVO_Mono_365W-1000



PV module: EVVO, EVVO_Mono_365W-1000



Authorized Dealer