

The Panasonic Advantage



Higher Module Efficiency

Superior module efficiency of 21.7% and 21.2%, respectively, allows maximum power production with less roof space. With one of the industry's lowest annual degradation rates, power output of at least 92% is guaranteed after 25 years.



AllGuard and TripleGuard 25-Year Warranty¹

A long-term warranty is only as reliable as the company behind it. AllGuard and TripleGuard 25-year warranties cover EverVolt panels for performance, product, parts and labor for 25 years. Whether in year three or year 25, your Panasonic warranty will be there when you need it.



High Efficiency in High Temperatures

Produce more energy throughout the day even on the hottest days in the warmest climates. EverVolt solar panels outperform others when temperatures rise due to our industry-leading 0.26%/°C temperature coefficient.



Heterojunction Cell Technology

Half-cut cells with heterojunction technology minimizes electron loss, maximizes conversion efficiency, and produces considerably higher power output over conventional panels.



Durability & Quality Assurance

N-type cells result in minimal Low Induced degradation (LID) and Potential Induced degradation (PID), which supports reliability and longevity. As a solar pioneer for over 40 years, Panasonic EverVolt solar panels are backed by innovation, experience and a brand you can trust.



Improved Performance When Shaded

Continuous power production in shaded areas for greater energy yields and output. More sunlight absorption means more clean power to your home.



ELECTRICAL SPECIFICATIONS

Model	EVPV380	EVPV370
Rated Power (Pmax) ¹	380W	370W
Maximum Power Voltage (Vpm)	38.1V	37.4V
Maximum Power Current (Ipm)	9.98A	9.90A
Open Circuit Voltage (Voc)	44.3V	44.1V
Short Circuit Current (Isc)	10.61A	10.55A
Temperature Coefficient (Pmax)	-0.26 %/°C	
Temperature Coefficient (Voc)	-0.24 %/°C	
Temperature Coefficient (Isc)	0.04 %/°C	
NOCT	44°C (±2°C)	
CEC PTC Rating	361.5W	351.8W
Module Efficiency	21.7%	21.2%
Maximum System Voltage	1000V	
Maximum Series Fuse	25 A	
Watt Class Sorting	-0/+10W	

MECHANICAL SPECIFICATIONS

Junction Box	3-part, 3 bypass diodes, IP67 rated in accordance with UL 3730
Connector Type	Stäubli MC4 PV-KBT4/KST4 (4 mm ²) in accordance with UL 6703 IP68 only when connected
Cable Size / Type	4 mm ² solar cable, 1.0 m + 1.2 m in accordance with UL 4703
Max Snow Load (+) ²	146 psf [7000 Pa]*
Max Wind Load (-) ²	83 psf [4000 Pa]*
Dimensions LxWxH	67.8 x 40.0 x 1.2 in (1721 x 1016 x 30 mm)
Weight	43.0 lbs (19.5 kg)
Pallet Dimensions LxWxH	70 x 42 x 48 in
Quantity per Pallet / Pallet Weight	33 pcs./1512 lbs. (686 kg)
Quantity per 40' Container	858 pcs

*Test Load. Design Load should be multiplied by two thirds.

OPERATING CONDITIONS AND SAFETY RATINGS

Certifications	UL 61730
	IEC61215-2:2016 [Hailstone 35mm]
	Fire Type 2 (UL 61730)
	Salt Mist [IEC 61701]
Operating Temperature	PID [IEC 62804]
	Ammonia Resistance [IEC 62716]
Limited Warranty	-40°F to 185°F [-40°C to 85°C]
Power Output in Year 1	25 Yrs Workmanship and Power Output (Linear)***
Annual Degradation	98%
Power Output in Year 25	0.25%
	92%

NOTE: Values at standard test conditions (STC: air mass AM1.5 irradiance 1000W/m², temperature 25°C).

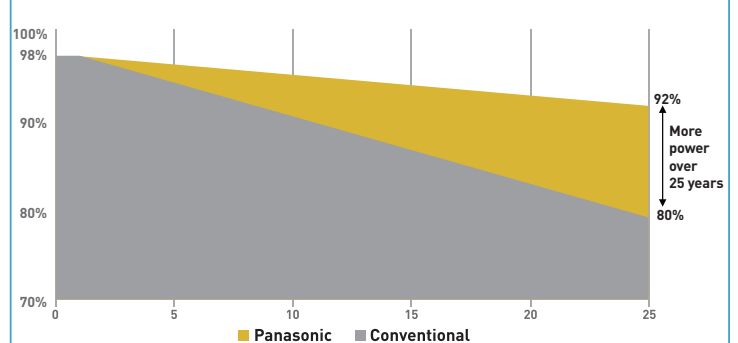
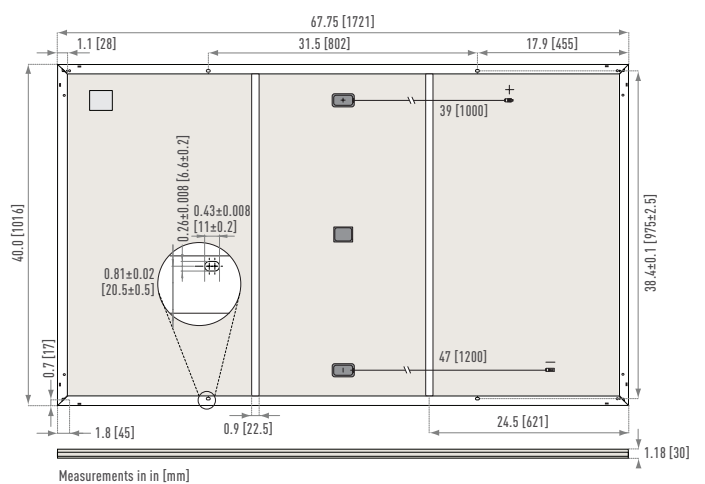
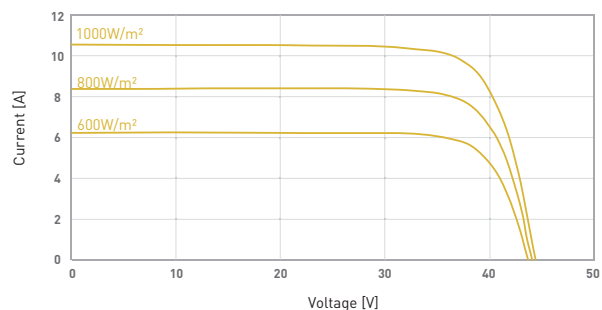
¹ Maximum power at delivery. For guarantee conditions, please check our guarantee document.

² Installation need to be registered through our website www.panasonicusahitwarranty.com within 60 days in order to receive twenty-five (25) year Product workmanship. Otherwise, Product Workmanship will be only fifteen (15) years.

³ Equipment must be installed by a Panasonic Authorized, Premium, or Elite installer and registered at www.panasonicusahitwarranty.com within 60 days in order to receive twenty-five (25) year AllGuard and TripleGuard warranty.

⁴ Refer to installation manual for detailed mechanical loading information

*** 1st year 98%, after 2nd year 0.25% annual degradation to year 25.

PERFORMANCE WARRANTY

DIMENSIONS

DEPENDENCE ON IRRADIANCE


Reference data for model : EVPV370
Cell temperature : 77°F (25°C)



NOTE: Specifications and information above may change without notice.

CAUTION! Please read the installation manual carefully before using the products.

Used electrical and electronic products must not be mixed with general household waste. For proper treatment, recovery and recycling of old products, please take them to applicable collection points in accordance with your national legislation.