 1 (985) 807-7396

 INFO@TREN.SOLAR.COM

 WWW.TREN.SOLAR.COM

A REVOLUTIONARY BATTERY FOR HOME AND BUSINESS

Powerwall is a home battery that stores energy so you can use it day or night and **self-power** your home. **Powerwall** can provide **backup** power by itself or can easily integrate with **solar** to provide your home reliable, clean energy 24/7. With **Powerwall**, you gain continuous and **backup power**.





CONTROL YOUR ENERGY

Seamlessly monitor and automatically manage your Powerwall, solar panels, Model S or X with the Tesla App



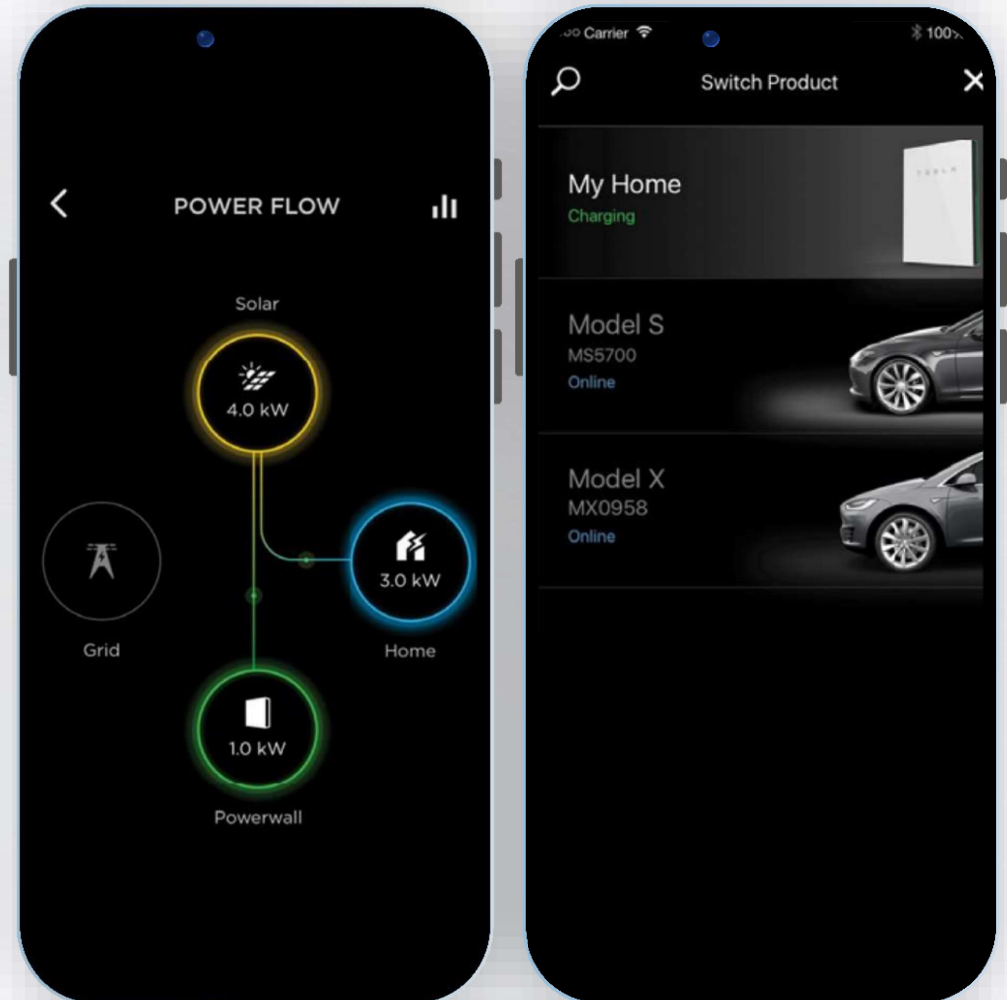
STAY PROTECTED

Reserve a certain percentage of your Powerwall to protect your home from a utility outage and extend the hours of backup



BETTER OVER TIME

With over-the-air software updates, Powerwall will continue to improve and adapt to your lifestyle



13.5 KWH
Usable Capacity

7 KW
Peak Power

5 KW
Continuous Power



276 LB/125 KG
Weight

X10 POWERWALLS
Scalability

10 YEARS
Warranty

COMPACT AND SIMPLE

Powerwall is a completely automated system that installs easily and requires no maintenance

COMPLETELY SAFE

Liquid thermal controls and touch safe technology maximize battery life and safety

**BEST
VALUE**

THE PANASONIC ADVANTAGE



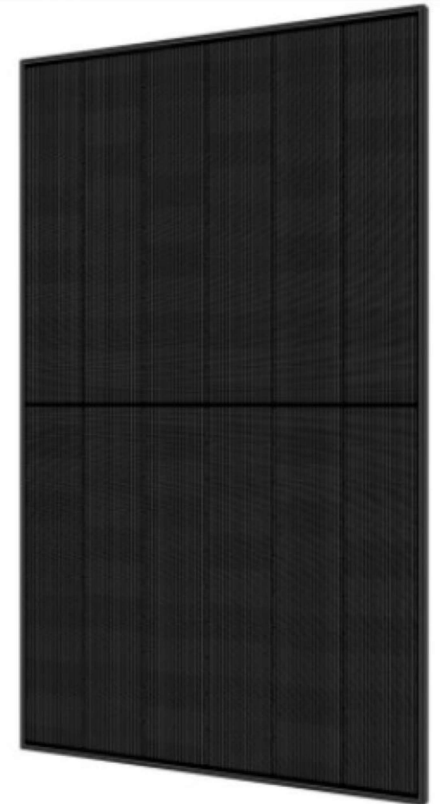
HIGHER MODULE EFFICIENCY

Superior module efficiency of 21.2% and 20.6%, 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 WARRANTY

Reserve a certain percentage of your Powerwall to protect your home from a utility outage and extend the hours of backup



ALL GUARD WARRANTY
25 YEARS



TRIPLE GUARD WARRANTY
25 YEARS

* PRODUCT * PERFORMANCE * LABOR

THE PANASONIC ADVANTAGE

370K/360K



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.



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.



Heterojunction Cell Technology

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



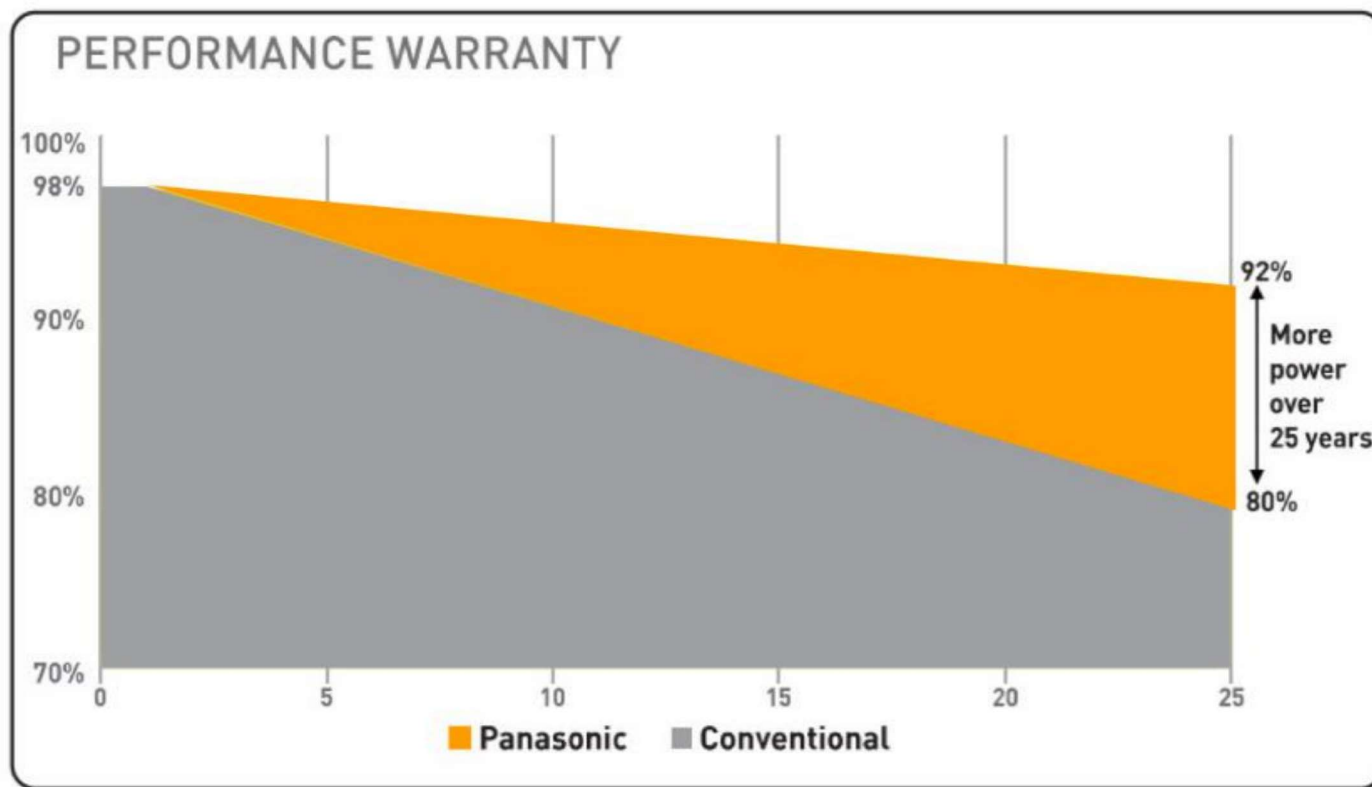
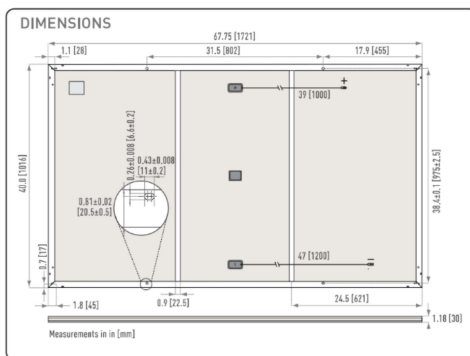
Improved Performance When Shaded

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

370K/360K

TRUST. BUILT IN.

ELECTRICAL SPECIFICATIONS		
Model	EVPV370K	EVPV360K
Rated Power (Pmax) ¹	370W	360W
Maximum Power Voltage (Vpm)	37.4V	36.7V
Maximum Power Current (Ipm)	9.90A	9.82A
Open Circuit Voltage (Voc)	44.1V	43.9V
Short Circuit Current (Isc)	10.55A	10.49A
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	350.7W	340.3W
Module Efficiency	21.2%	20.6%
Maximum System Voltage	1000V	
Maximum Series Fuse	25 A	
Watt Class Sorting	-0/+10W	



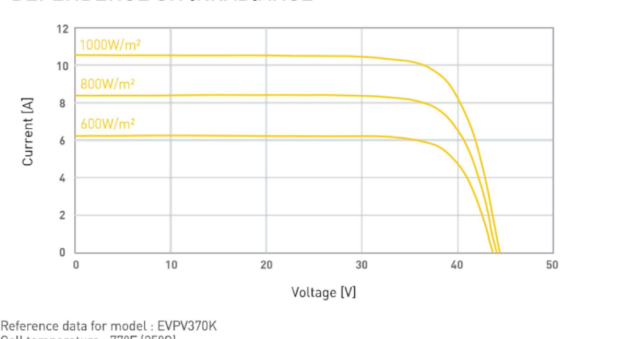
370K/360K

TRUST. BUILT IN.

OPERATING CONDITIONS AND SAFETY RATINGS

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

DEPENDENCE ON IRRADIANCE



MECHANICAL SPECIFICATIONS

Junction Box	3-part, 3 bypass diodes, IP67 rated in accordance with UL 3730
Connector Type	Stäubli MC4 PV-KBT4/KST4 [4 mm²] in accordance with UL 6703 IP68 only when connected
Cable Size / Type	4 mm² 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.

NOTE:

Values at standard test conditions(STC: air mass AM1.5 irradiance 1000W/m², temperature 25°C). * Maximum power at delivery. For guarantee conditions, please check our guarantee document. ** 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.

¹Equipment 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.

² Refer to installation manual for detailed mechanical loading information *** 1st year 98%, after 2nd year 0.25% annual degradation to year 25.

NOTE:

Specifications and information above may change without notice. A 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

ENPHASE IQ ENVOY

The Enphase IQ Envoy™ communications gateway delivers solar production and energy consumption data to Enphase Enlighten™ monitoring and analysis software for comprehensive, remote maintenance and management of the Enphase IQ System.

With integrated revenue grade production metering and optional consumption monitoring, the Envoy IQ is the platform for total energy management and integrates with the Enphase IQ Battery™



Smart

- Enables web-based monitoring and control
- Bidirectional communications for remote upgrades

Simple

- Easy system configuration using Enphase Installer Toolkit mobile app
- Flexible networking with Wi-Fi, Ethernet, or cellular

Reliable

- Designed for installation indoors
 - or outdoors
- Five-year warranty



ENPHASE IQ ENVOY

MODEL NUMBERS	
Enphase IQ Envoy™ ENV-IQ-AM1-240	Enphase IQ Envoy communications gateway with integrated revenue grade PV production metering (ANSI C12.20 +/- 0.5%) and optional consumption monitoring (+/- 2.5%).
ACCESSORIES (order separately)	
Enphase Mobile Connect™ CELLMODEM-01 (3G) CELLMODEM-03 (4G)	Plug and play industrial grade cellular modem with five-year data plan for systems up to 60 microinverters. (Available in the US, Canada, Mexico, Puerto Rico, and the US Virgin Islands, where there is adequate cellular service in the installation area.)
Consumption Monitoring CT CT-200-SPLIT	Split-core current transformers enable whole home metering.
POWER REQUIREMENTS	
Power requirements	120/240 VAC split-phase. Max 20 A overcurrent protection required.
CAPACITY	
Number of microinverters polled	Up to 600
MECHANICAL DATA	
Dimensions (WxHxD)	21.3 x 12.6 x 4.5 cm (8.4" x 5" x 1.8")
Weight	17.6 oz (498 g)
Ambient temperature range	-40° to 65° C (-40° to 149° F) -40° to 46° C (-40° to 115° F) if installed in an enclosure
Environmental rating	IP30. For installation indoors or in an NRTL-certified, NEMA type 3R enclosure.
Altitude	To 2000 meters (6,560 feet)
INTERNET CONNECTION OPTIONS	
Integrated Wi-Fi	802.11b/g/n
Ethernet	802.3, Cat5E (or Cat 6) UTP Ethernet cable, not included
Mobile	Optional, CELLMODEM-01 (3G) or CELLMODEM-03 (4G), not included
COMPLIANCE	
Compliance	UL 916 CAN/CSA C22.2 No. 61010-1 47 CFR, Part 15, Class B, ICES 003 IEC/EN 61010-1:2010, EN50065-1, EN61000-4-5, EN61000-6-1, EN61000-6-2 Metering: ANSI C12.20 accuracy class 0.5



TREN SOLAR DIFFERENCE

