410HK/400HK

The Panasonic Advantage

Higher Module Efficiency
Superior module efficiency of 22.2% and 21.6%, respectively, allows maximum power production with less roof space. Offering clean aesthetics and one of the industry's lowest annual degradation rates, power output of at least 92% is guaranteed after 25 years.

EVERVOLT AllGuard, AllGuard and TripleGuard 25-Year Warranty
A long-term warranty is only as reliable as the company behind it. EVERVOLT AllGuard, AllGuard and TripleGuard 25-year warranties cover EVERVOLT® panels for performance, product, parts and labor[1] 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 with Gapless Connections
Half-cut cells with heterojunction technology with gapcell connections 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.

Panasonic

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EVERVOLT® | EVERVOLT® SOLAR MODULE **BLACK** SERIES

Panasonic

410HK/400HK

ELECTRICAL SPECIFICATIONS

Model	EVPV410HK	EVPV400HK
Rated Power (Pmax)[1]	410W	400W
Maximum Power Voltage (Vpm)	42.2V	41.4V
Maximum Power Current (Ipm)	9.72A	9.67A
Open Circuit Voltage (Voc)	49.4V	48.8V
Short Circuit Current (Isc)	10.42A	10.40A
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	390.8W	381.0W
Module Efficiency	22.2%	21.6%
Power Density	20.6 W/ft²	20.1 W/ft²
Maximum System Voltage	1000V	
Maximum Series Fuse	25 A	
Watt Class Sorting	-0/+10W	

MECHANICAL SPECIFICATIONS

Junction Box	3-part, 3 bypass diodes, IP68 rated in accordance with IEC 62790
Connector Type	Stäubli MC4 PV-KBT4/KST4 (4 mm²) in accordance with IEC 62852 only when connected
Cable Size / Type	12AWG(4mm2) PV Wire, 43in + 47in in accordance with EN 50618
Max Snow Load (+)[2]	146 psf (7000 Pa)+
Max Wind Load (-)[2]	83.5 psf (4000 Pa)+
Dimensions LxWxH	71.7 x 40.0 x 1.2 in (1821 x 1016 x 30 mm)
Weight	45.0 lbs (20.5kg)
Pallet Dimensions LxWxH	74 x 41.5 x 47.5 in
Quantity per Pallet / Pallet Weight	33 pcs/ 1620 lbs.(735kg)
Quantity per 40' Container	792 pcs

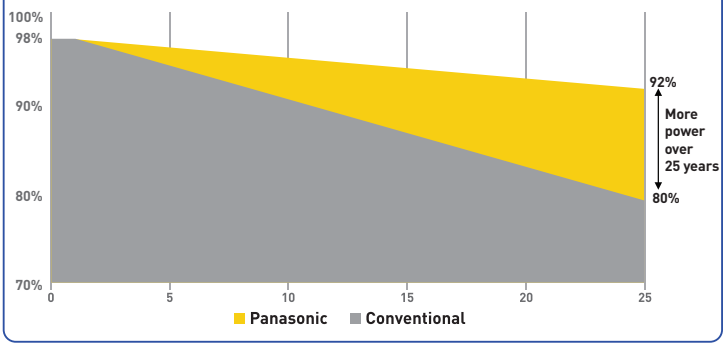
+Test Load. Design Load should be multiplied by two thirds.

OPERATING CONDITIONS AND SAFETY RATINGS

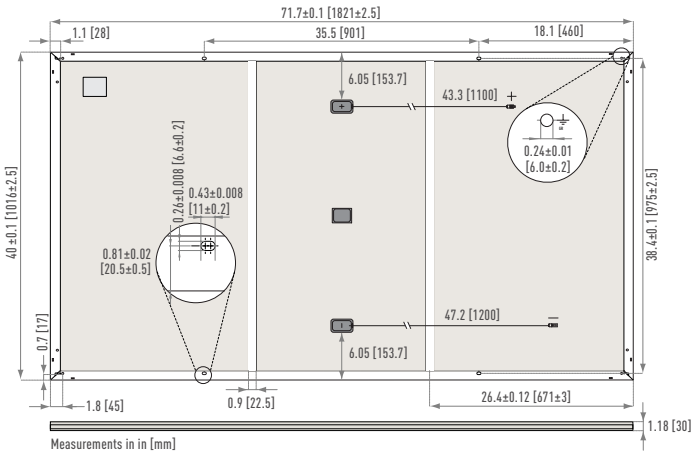
Certifications	IEC61215-2:2016 [Hailstone 35mm]
	Fire Type 2 (UL 61730)
	Salt Mist [IEC 61701]
	PID [IEC 62804]
	Ammonia Resistance [IEC 62716]
	Lead-free acc. to RoHS EU 863/2015 [IEC 62321]
Operating Temperature	-40°F to 185°F (-40°C to 85°C)
Limited Warranty	25* Yrs Workmanship and Power Output (Linear)***
Power Output in Year 1	98%
Annual Degradation	0.25%
Power Output in Year 25	92%

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.
[1]Equipment must be installed by a Panasonic Authorized, Premium, or Elite installer for the twenty-five (25) year Limited Labor Warranty included in the EVERVOLT AllGuard, AllGuard and TripleGuard warranty too apply.
[2] Refer to installation manual for detailed mechanical loading information
*** 1st year 98%, after 2nd year 0.25% annual degradation to year 25.

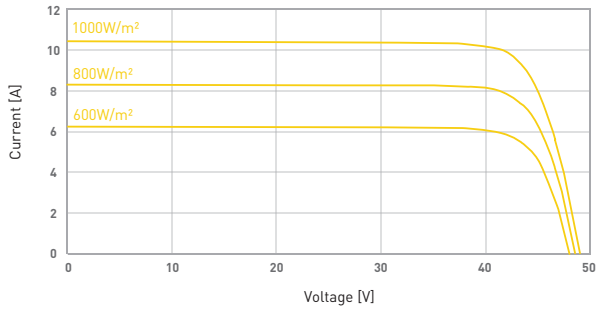
PERFORMANCE WARRANTY



DIMENSIONS



DEPENDENCE ON IRRADIANCE



Reference data for model : EVPV410HK
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.

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