

XPV SOLAR PANEL

XPV-FLEX-100W-20M

Monocrystalline Flexible PV Solar Panel

Flexible Solar Panel (ETFE)

Monocrystalline technology cells
Panel with flexible, thin, and ultra-light structure
Water and corrosion resistant
High energy efficiency > 22%
High performance under low light conditions
Great resistance to severe environmental conditions
Easy to install
Ideal for installation on curved and/or mobile surfaces
Made with high resistance and quality materials



MONO
100W

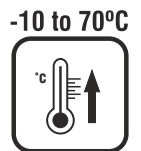
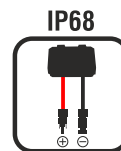
Monocrytall - Max. Power 100W (STC*):
High-efficiency solar cells

VMP
20

Voltage at Max. Power
Vmp: 20.16V

36

36 cells in series:
(4*9) MONO (166*83mm)



xpv

Flexible Panels

Technical Features / Características Técnicas **XPV SOLAR PANEL**

XPV-FLEX-100W-20M

Electrical Specifications (STC*)

Peak power / Potencia máxima (Pmax)	100W
Cell efficiency / Eficiencia	22.60%
Max. power voltage / Voltaje a potencia max. (Vmp)	20.16V
Max. power current / Corriente a potencia max.	4.96A
Open circuit voltage / Voltaje en abierto (Voc)	23.39V
Short circuit current / Corriente de corto circuito (Isc)	5.26A
Power tolerance / Tolerancia de potencia	3%
Max. system voltage / Voltaje max. del sistema	600VDC
Series fuse rating / Valor fusibles en serie	15A
Qty. bypass diodes / Cantidad de diodos de bypass	2 bypass diodes

(* Irradiance: 1000W/m² / AM1.5, Cell T: 25°C

Temperature Characteristics

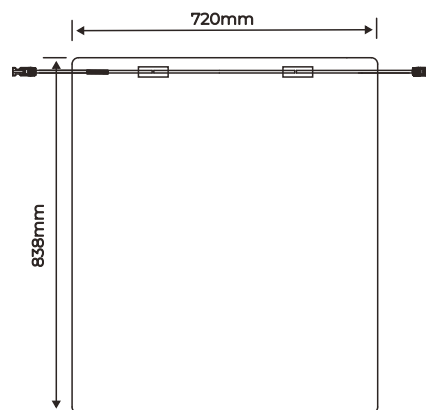
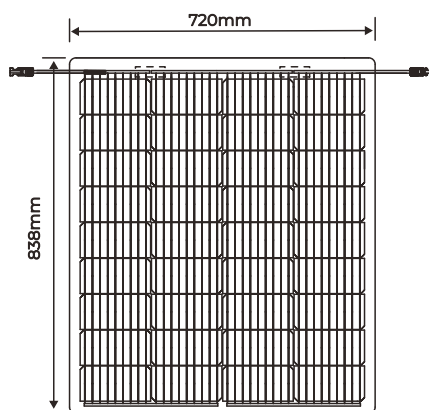
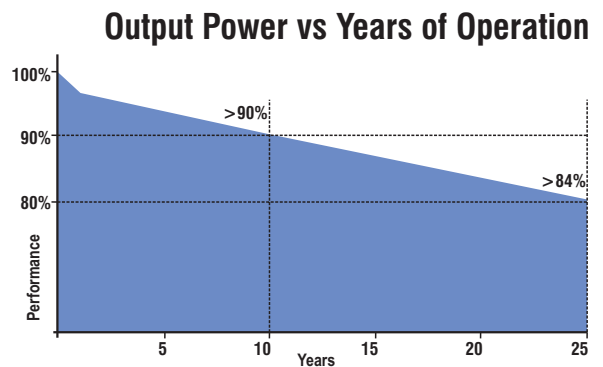
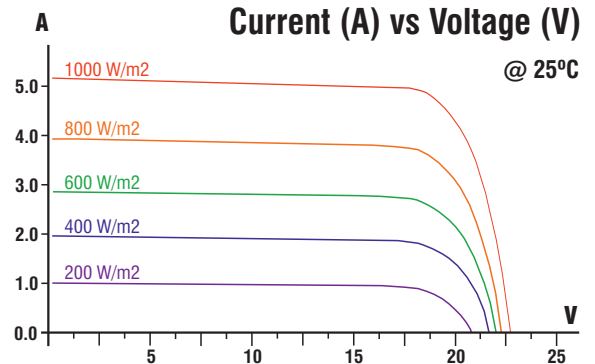
Nominal Operating Temperature / Temp. de operación	42 +/- 2°C
Operating range / Rango de operación	-10 to +70°C
Temperature Coefficients of Isc	0.07%/°C
Temperature Coefficients of Voc	-0.36%/°C
Temperature Coefficients of Pmp	-0.38%/°C

Connections

Junction Box / Caja de conexiones	IP68 (2 bypass diodes)
Connectors / Conectores	2 x MC4
Cables	2 x 50cm (+ & -)

Physical Characteristics

Dimensions / Medidas	838*720*3mm
Weight / Peso	2.45Kg
Solar Cells Arrangement / Cantidad y tipo de celdas	36 in series (4*9) (MONO: 166*83mm)
Panel Construction / Laminación	5 layers
Top Layer / Layer Superior	ETFE
Backsheet / Laminado trasero	QPL High Reflectance Anti-UV long lifetime / QPL reflectante / Anti-UV / de larga vida
EVA: Ethylene Vinyl Acetate	High light transmission + High UV Block / De alta transmisión de luz + alto bloqueo UV
Max Wind Load / Snow Load (Pa)	2400 / 5400
Application Class	Class A
Fire Rating	Class C



XPV SOLAR PANEL

XPV-FLEX-200W-20M

Monocrystalline Flexible PV Solar Panel

Flexible Solar Panel (ETFE)

Monocrystalline technology cells
Panel with flexible, thin, and ultra-light structure
Water and corrosion resistant
High energy efficiency > 22%
High performance under low light conditions
Great resistance to severe environmental conditions
Easy to install
Ideal for installation on curved and/or mobile surfaces
Made with high resistance and quality materials



MONO
200W

Monocrytall - Max. Power 200W (STC*):
High-efficiency solar cells

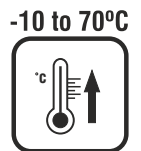
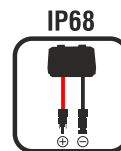
VMP
20

Voltage at Max. Power
Vmp: 20.16V

72



36 cells in series:
(2*2*18) MONO (166*83mm)



xpv

Flexible Panels

Technical Features / Características Técnicas **XPV SOLAR PANEL**

XPV-FLEX-200W-20M

Electrical Specifications (STC*)

Peak power / Potencia máxima (Pmax)	200W
Cell efficiency / Eficiencia	22.6%
Max. power voltage / Voltaje a potencia max. (Vmp)	20.16V
Max. power current / Corriente a potencia max.	9.92A
Open circuit voltage / Voltaje en abierto (Voc)	24.3V
Short circuit current / Corriente de corto circuito (Isc)	10.5A
Power tolerance / Tolerancia de potencia	3%
Max. system voltage / Voltaje max. del sistema	600VDC
Series fuse rating / Valor fusibles en serie	15A
Qty. bypass diodes / Cantidad de diodos de bypass	2 bypass diodes

(* Irradiance: 1000W/m² / AM1.5, Cell T: 25°C

Temperature Characteristics

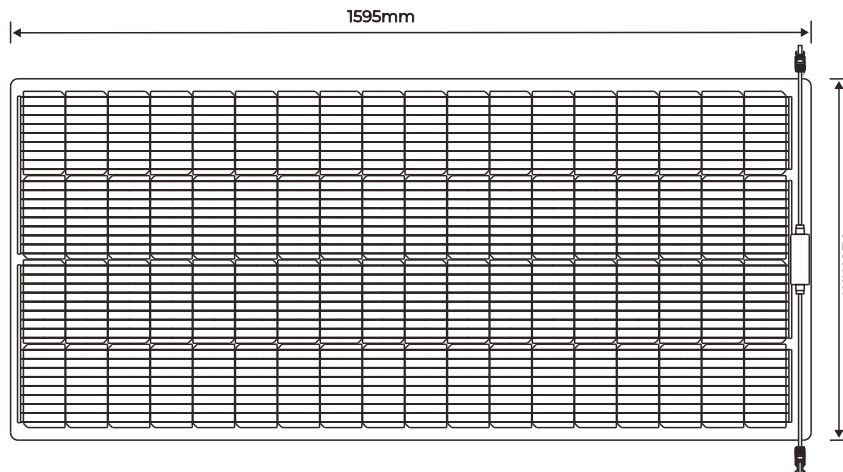
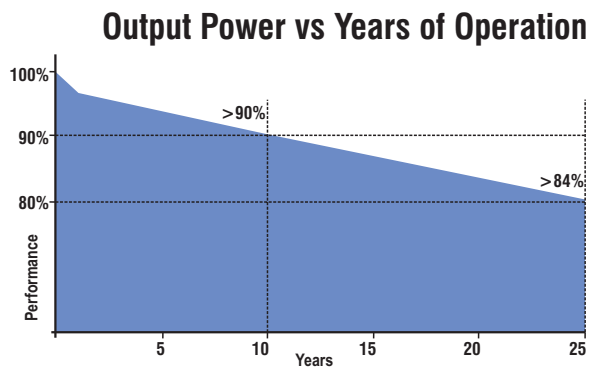
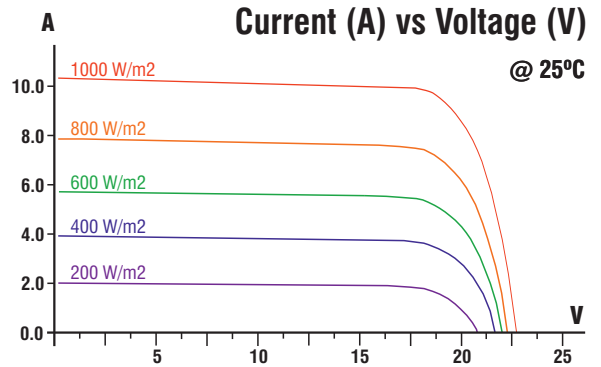
Nominal Operating Temperature / Temp. de operación	42 +/- 2°C
Operating range / Rango de operación	-10 to +70°C
Temperature Coefficients of Isc	0.07%/°C
Temperature Coefficients of Voc	-0.36%/°C
Temperature Coefficients of Pmp	-0.38%/°C

Connections

Junction Box / Caja de conexiones	IP68
Connectors / Conectores	2 x MC4
Cables	2 x 50cm (+ & -)

Physical Characteristics

Dimensions / Medidas	1595*720*3mm
Weight / Peso	4.45Kg
Solar Cells Arrangement / Cantidad y tipo de celdas	72 cells: 36 in series (2x2*18) (MONO: 166*83mm)
Panel Construction / Laminación	5 layers
Top Layer / Layer Superior	ETFE
Backsheet / Laminado trasero	QPL High Reflectance Anti-UV long lifetime / QPL reflectante / Anti-UV / de larga vida
EVA: Ethylene Vinyl Acetate	High light transmission + High UV Block / De alta transmisión de luz + alto bloqueo UV
Max Wind Load / Snow Load (Pa)	2400 / 5400
Application Class	Class A
Fire Rating	Class C



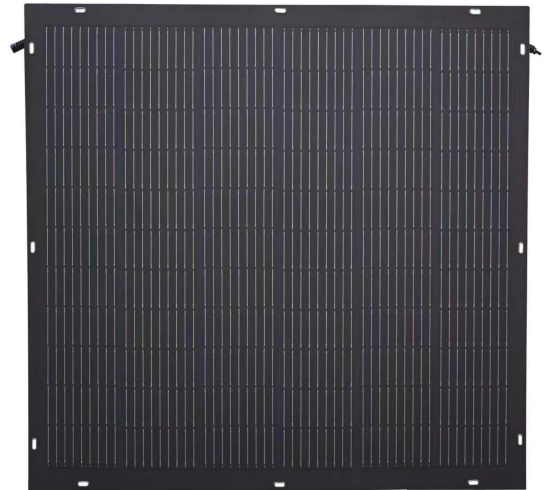
XPV SOLAR PANEL

XPV-FLEX-B-210W-40M

Monocrystalline Flexible PV Solar Panel

Flexible Solar Panel XPV Balcony

Monocrystalline technology cells
Panel with flexible, thin, and ultra-light structure
Ideal for installation on balconies and fences
Water and corrosion resistant
High energy efficiency > 22%
High performance under low light conditions
Great resistance to severe environmental conditions
Easy to install



Technical Features / Características Técnicas **XPV SOLAR PANEL**

XPV-FLEX-B-210W-40M

Electrical Specifications (STC*)

Peak power / Potencia máxima (Pmax)	210W
Cell efficiency / Eficiencia	22.30%
Max. power voltage / Voltaje a potencia max. (Vmp)	40.32V
Max. power current / Corriente a potencia max.	5.21A
Open circuit voltage / Voltaje en abierto (Voc)	48.6V
Short circuit current / Corriente de corto circuito (Isc)	5.52A
Power tolerance / Tolerancia de potencia	3%
Max. system voltage / Voltaje max. del sistema	600VDC
Series fuse rating / Valor fusibles en serie	15A
Qty. bypass diodes / Cantidad de diodos de bypass	2 bypass diodes

(* Irradiance: 1000W/m² / AM1.5, Cell T: 25°C

Temperature Characteristics

Nominal Operating Temperature / Temp. de operación	42 +/- 2°C
Operating range / Rango de operación	-10 to +70°C
Temperature Coefficients of Isc	0.046%/°C
Temperature Coefficients of Voc	-0.26%/°C
Temperature Coefficients of Pmp	-0.32%/°C

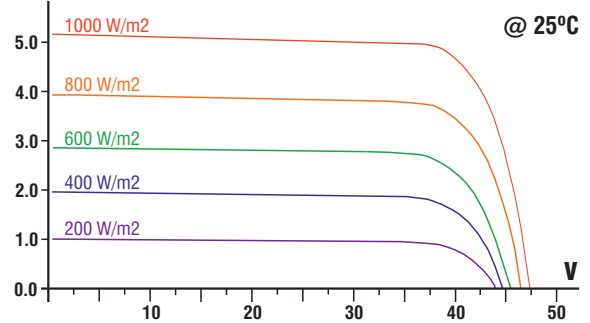
Connections

Junction Box / Caja de conexiones	IP68
Connectors / Conectores	2 x MC4
Cables	2 x 40cm (+ & -)

Physical Characteristics

Dimensions / Medidas	1085*1085*3mm
Weight / Peso	3.95Kg
Solar Cells Arrangement / Cantidad y tipo de celdas	72 cells: 72 in series (6*12) (MONO: 166*83mm)
Panel Construction / Laminación	5 layers
Top Layer / Layer Superior	PET
Backsheet / Laminado trasero	QPL High Reflectance Anti-UV long lifetime / QPL reflectante / Anti-UV / de larga vida
EVA: Ethylene Vinyl Acetate	High light transmission + High UV Block / De alta transmisión de luz + alto bloqueo UV
Max Wind Load / Snow Load (Pa)	2400 / 5400
Application Class	Class A
Fire Rating	Class C

A Current (A) vs Voltage (V) @ 25°C



Output Power vs Years of Operation

