

XMA SOLAR PANEL

XPV-330-32M

Monocrystalline PV Solar Panel

Monocrystal Solar Panel (PERC Tech.)

330W / 54 cells in series / 32V

High efficiency monocrystalline solar cells.

With PERC technology

High performance with low light conditions.

For severe environmental conditions.

Manufactured with high quality components.

MONO
330W

Monocrystal - Max. Power 330W:
High efficiency Monocrystal cells

VMP
32

Voltage at Maximum Power

54


Cells in Series



Outstandings Features

5

5 Layers lamination

(1) Low-Iron Tempered Glass + (2) EVA +
(3) PV Cells + (4) EVA + (5) Backsheet



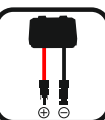
High Transmission Tempered Glass:

Minimal sun light reflection guaranteed

AI

Anodized Aluminum Frame:

Corrosion-resistance and structural strength



Conection:

4mm2 Cables with MC4 (+) (-) connectors



High temperature resistant:

Operation Range: -40 to +85°C

80%
25
YEARS

Guaranteed Output Power 80%:

During first 25 years

90%
10
YEARS

Guaranteed Output Power 90%:

During first 10 years

Product
5
YEARS

Product Warranty

5 years on materials and assembly

Technical Features / Características Técnicas

XMA SOLAR PANEL

XPV-330-34M

Electric Specifications (STC*)

Peak power / Potencia máxima (Pmax)	330W
Cell efficiency / Eficiencia	22.70%
Max. power voltage / Voltaje a potencia max. (Vmp)	31.8V
Max. power current / Corriente a potencia max.	10.38A
Open circuit voltage / Voltaje en abierto (Voc)	36.9V
Short circuit current / Corriente de corto circuito (Isc)	11.01A
Power tolerance / Tolerancia de potencia	3%
Max. system voltage / Voltaje max. del sistema	1.000V
Series fuse rating / Valor fusibles en serie	15A
Qty. bypass diodes / Cantidad de diodos de bypass	3

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

Temperature Characteristics

Nominal Operating Temperature / Temp. de operación (NOTC)	46 +/- 2°C
Operating range / Rango de operación	-40 to 85°C
Isc coefficient / Coeficiente (a _{Isc})	0.03%/°C
Voc coefficient / Coeficiente Temp (b _{Voc})	-0.32%/°C
Pmax coefficient / Coeficiente (g _{Pmax})	-0.42%/°C

Connections

Junction Box / Caja de conexiones	GZX-156K
Connectors / Conectores	(+) & (-) MC4 (type IV)
Cables	Dia: 4mm ² - L: 900mm

Physical Specifications

Dimensions / Tamaño	1555*1038*35mm
Weight / Peso	17.5Kg
Solar Cells Arrangement / Cantidad de celdas	60 in series (6*10)
Panel Construcción / Estructura del Panel	5 layers
Tempered Glass / Cristal Templado (EN 1096-4:2004)	High transmission, low-iron Solar Glass / Cristal Solar Anti reflectivo de bajo-hierro (3.2mm)
Backsheet / Laminado trasero (Toyol - TUV)	FPL High Reflectance Anti-UV long lifetime / FPL reflectante / Anti-UV / de larga vida (0.334mm)
EVA: Ethylene Vinyl Acetate (First - UL)	High light transmission + High UV Block / De alta transmisión de luz + alto bloqueo UV (0.45mm)
Solar Cells / Celdas solares (Taiwan # 1 Manufacturer)	"A" grade manufactured in Taiwan / Grado "A" fabricada en Taiwan
Junction Box / Caja de Conexión	IP67 (GZX)
Frame / Marco	High corrosion resistance anodized aluminium / Aluminio anodizado resistente a corrosión

