

CERTIFICATION:

• ISO 9001



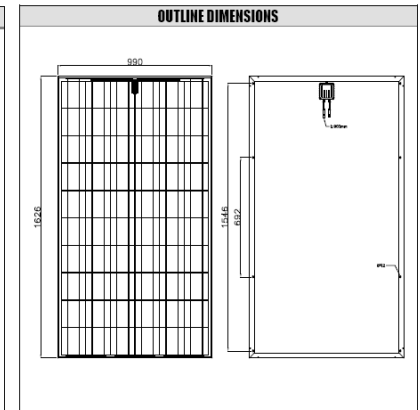
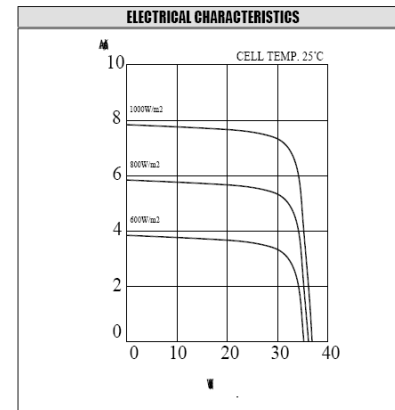
The XC220 is XC3i's 6 inch high efficiency module. Thanks to its optimum size it is easy to handle and specifically dedicated to large scale on grid applications.

The XC220 module uses multicrystalline technology. Encapsulation beneath high transmission tempered glass is accomplished using an advanced, UV resistant thermal setting plastic. The encapsulant, ethylene vinyl acetate, cushions the solar cells within the laminate and protect the cells from etching. The rear surface of the module is completely sealed from moisture and mechanical damage by a continuous high strength polymer sheet.

The XC220 is using a reinforced anodised aluminum frame, designed to meet XC3i's High Quality Standards for corrosion resistance. With a tolerance of +/- 3%, the XC220 module ensures more power in multi module installations.

ELECTRICAL CHARACTERISTICS	
Maximum power (Pmax)	220 W
Maximum power voltage (Vpm)	30.20 V
Maximum power current (Ipm)	7.32 A
Open circuit voltage (Voc)	36.90 V
Short circuit current (Isc)	7.85 A
Module efficiency (ηm)	13.6 %
Cell	Multi-crystalline
No. of cells and connections	60 in series
Application	DC 24V system
Maximum system voltage	DC 1000V
Series fuse rating	10A
Performance tolerance	±3%

MECHANICAL CHARACTERISTICS		
Dimensions	1626x990x38.1mm	
Weight	24.3kg	
ABSOLUTE MAXIMUM RATINGS		
Parameters	Rating	Unit
Operating temperature	-40 to +90	C
Storage temperature	-40 to +90	C
Dielectric voltage withstood	2200 max	V-DC



▪ Limited warranty : 25 years

XC3 INTERNATIONAL LLC.
5348 VEGAS DRIVE #1017
LAS VEGAS NV 89108-2347

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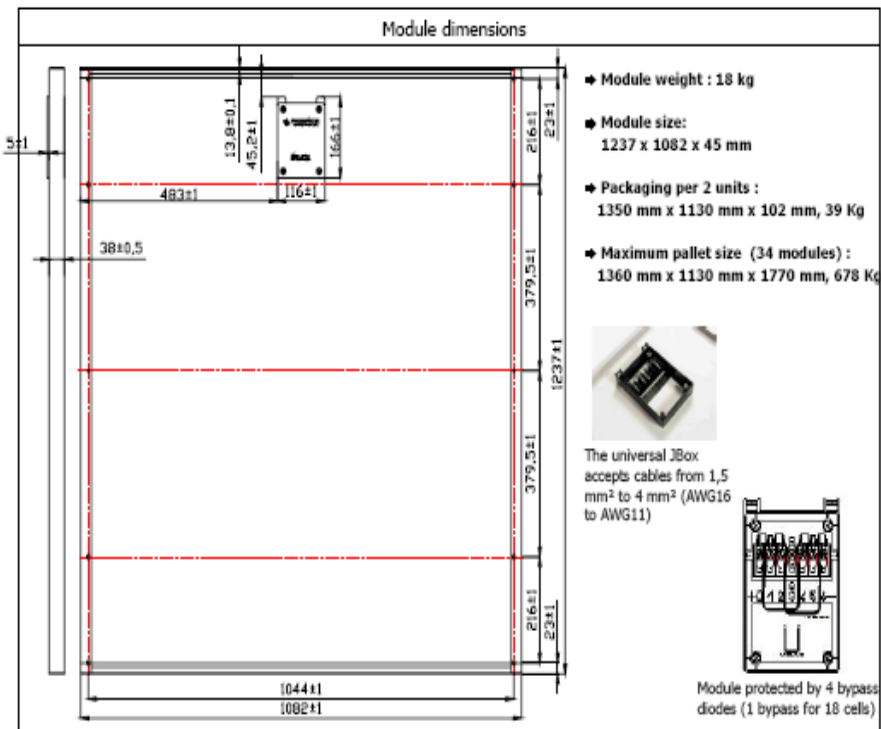


Features of the XCRV175 175W

- Most Powerful 12 Volt RV module available.
- Designed Specifically for Large Coaches.
- Advanced Mono- Crystal technology.
- Large heavy duty plastic J Box.
- Heavy duty Industrial Frame.



XCRV175 175W	POWER SPECIFICATIONS
Maximum Power Voltage (V _{pm})	17.80V
Maximum Power Current (I _{pm})	9.83A
Open Circuit Voltage (V _{oc})	22.20V
Short Circuit Current (I _{sc})	10.60A
Cell Type	Mono
Nominal Voltage	12Vdc
Maximum System Voltage	DC 1000V
Series Fuse Rating	10A
Performance Tolerance	+ - 10%



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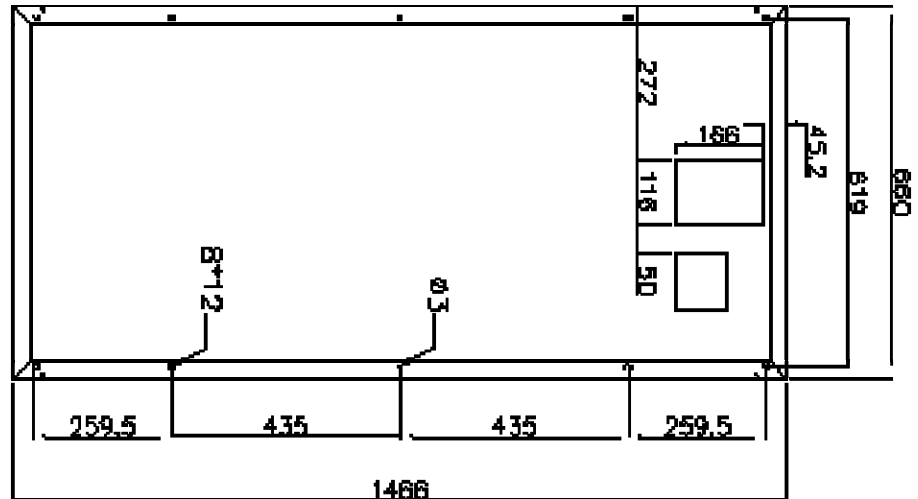
XC3 International's high efficiency module size is easy to handle and specifically designed for large scale off grid applications.

XC3i's module uses state of the art multicrystalline technology with a Silicon Nitride (SiN) coating that enhances cell efficiency. Encapsulation beneath high transmission tempered glass is accomplished using an advanced, UV resistant thermal setting plastic. The encapsulant, ethylene vinyl acetate, cushions the solar cells within the laminate and protect the cells from etching. The rear surface of the module is completely sealed from moisture and mechanical damage by a continuous high strength polymer sheet.

XC3i's module incorporates a reinforced anodised aluminium frame, designed to meet XC3i's High Quality Standards for corrosion resistance.

1" inch = 25.4 mm (outside dimensions 57.76" L X 26"W)

XC1300 128W	POWER SPECIFICATIONS
Maximum Power Voltage (V _{pm})	17.80V
Maximum Power Current (I _{pm})	7.19A
Open Circuit Voltage (V _{oc})	22.50V
Short Circuit Current (I _{sc})	7.35 A
Cell Type	Poly
Nominal Voltage	12Vdc
Maximum System Voltage	DC 1000V
Series Fuse Rating	10A
Performance Tolerance	+ - 5%



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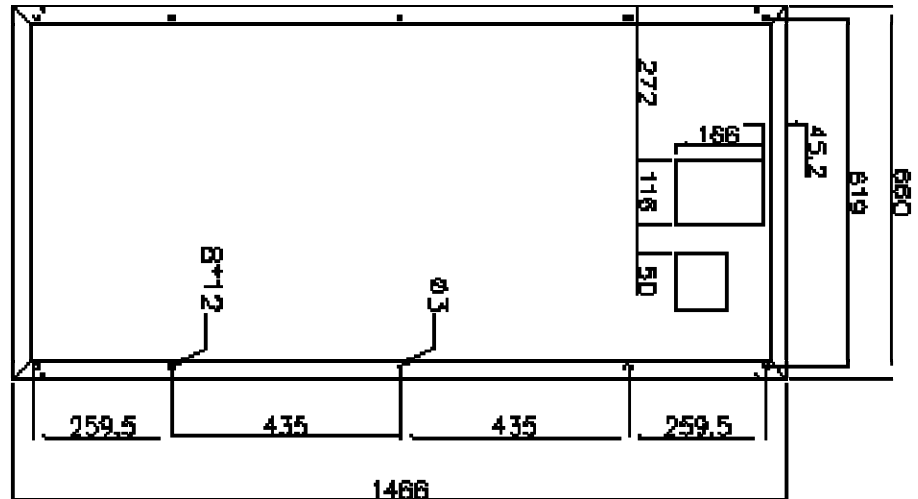
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1" inch = 25.4 mm (outside dimensions 57.76" L X 26"W)

XC1300 115W	POWER SPECIFICATIONS
Maximum Power Voltage (V _{pm})	17.40V
Maximum Power Current (I _{pm})	6.60A
Open Circuit Voltage (V _{oc})	21.90V
Short Circuit Current (I _{sc})	6.97 A
Cell Type	Poly
Nominal Voltage	12Vdc
Maximum System Voltage	DC 1000V
Series Fuse Rating	10A
Performance Tolerance	+ - 5%



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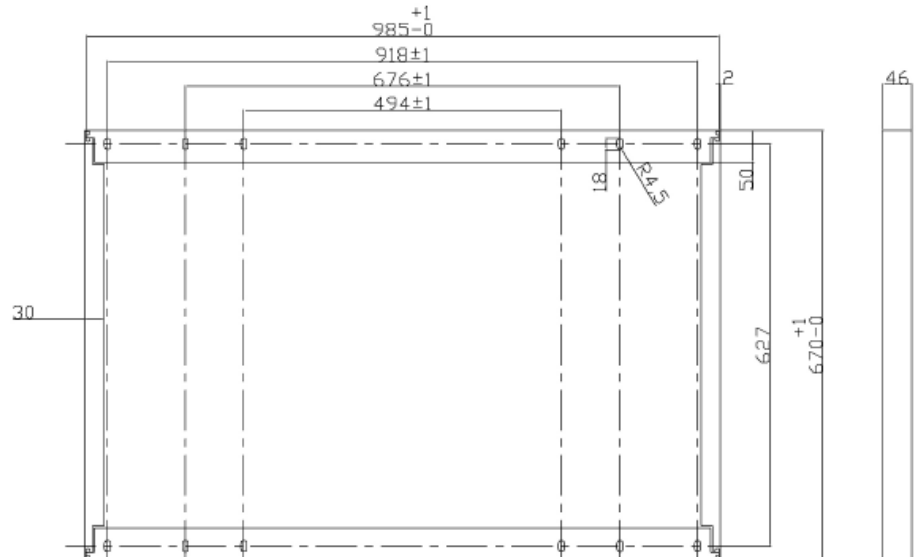
DIRECT REPLACEMENT – Kyocera Solar KC85W

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1" inch = 25.4 mm (outside dimensions 38.78" L X 26.38"W)

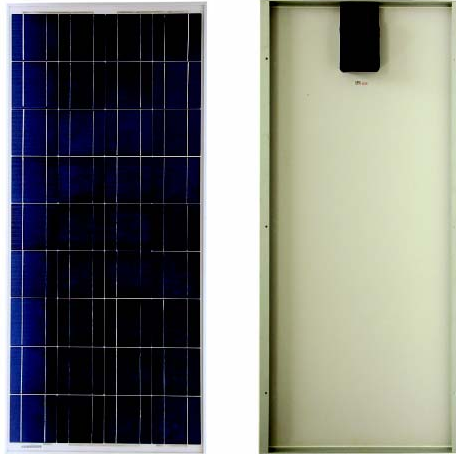
XC8500 85W	POWER SPECIFICATIONS
Maximum Power Voltage (V _{pm})	17.60V
Maximum Power Current (I _{pm})	4.80A
Open Circuit Voltage (V _{oc})	21.60V
Short Circuit Current (I _{sc})	5.20A
Cell Type	Poly
Nominal Voltage	12Vdc
Maximum System Voltage	DC 1000V
Series Fuse Rating	10A
Performance Tolerance	+ - 5%



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CERTIFICATION:

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DIRECT REPLACEMENT – SHELL (SIEMENS) SQ80

The XC80s is XC3i's high efficiency module. Thanks to its optimum size it is easy to handle and specifically dedicated to large scale off grid applications.

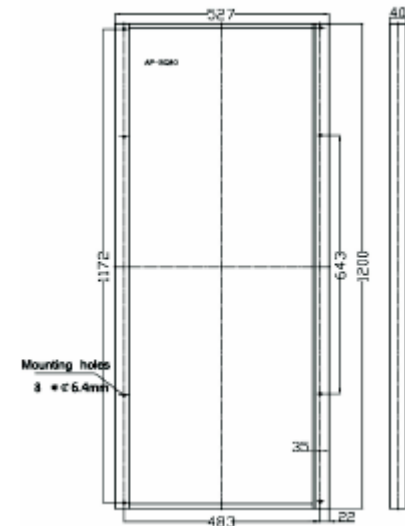
The XC80s module uses multicrystalline technology. Encapsulation beneath high transmission tempered glass is accomplished using an advanced, UV resistant thermal setting plastic. The encapsulant, ethylene vinyl acetate, cushions the solar cells within the laminate and protect the cells from etching. The rear surface of the module is completely sealed from moisture and mechanical damage by a continuous high strength polymer sheet.

The XC80s is using a reinforced anodised aluminum frame, designed to meet XC3i's High Quality Standards for corrosion resistance. With a tolerance of +/- 5%, the XC80s module ensures more power in multi module installations.

Electrical Data		
Maximum Power(Pmax)	W []	80
Tolerance	[%]	+5/-5
Maximum Power Voltage	[V]	17.2
Maximum Power Current	[A]	4.65
Open Circuit Voltage (Voc)	[V]	21.6
Short Circuit Current (Isc)	[A]	5.05
Temp. coefficient of Voc	[V/°C]	-0.08x10 ⁻¹
Temp. coefficient of Isc	[A/°C]	0.37x10 ⁻¹
NOCT	[°C]	47
Max System Voltage	[V]	600

Dimension		
Length	[mm]	1200 (47.2)
Width	[mm]	527 (20.8)
Thickness without box	[mm]	40 (1.57)
Weight	[kg]	~7.6

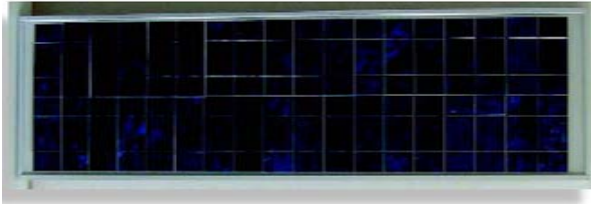
Cells	
Number per module	36
Cell Technology	Polycrystalline
Cell Shape	Rectangular
Temperature Coefficient Power Pmax/°C	-0.44%



- Limited warranty : 25 years

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DIRECT REPLACEMENT – SHELL (SIEMENS) SM55

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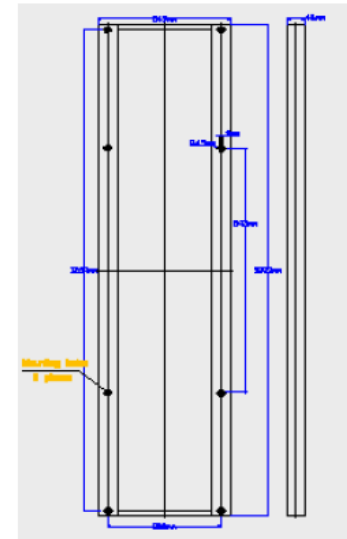
The XC55s module uses multicrystalline technology. Encapsulation beneath high transmission tempered glass is accomplished using an advanced, UV resistant thermal setting plastic. The encapsulant, ethylene vinyl acetate, cushions the solar cells within the laminate and protect the cells from etching. The rear surface of the module is completely sealed from moisture and mechanical damage by a continuous high strength polymer sheet.

The XC55s is using a reinforced anodised aluminum frame, designed to meet XC3i's High Quality Standards for corrosion resistance. With a tolerance of +/- 10%, the XC55s module ensures more power in multi module installations.

XC55s 55W	POWER SPECIFICATIONS
Maximum Power Voltage (V _{pm})	17.40V
Maximum Power Current (I _{pm})	3.16A
Open Circuit Voltage (V _{oc})	21.70V
Short Circuit Current (I _{sc})	3.40A
Cell Type	Poly
Nominal Voltage	12Vdc
Maximum System Voltage	DC 600V
Series Fuse Rating	10A
Performance Tolerance	+/- 10%

Dimension		
Length	[mm]	1293
Width	[mm]	349
Depth without box	[mm]	46
Weight	[kg]	7

Cells	
Number per module	36
Cell Technology	Polycrystalline
Cell Shape	Rectangular
Temperature Coefficient Power P _{max} /°C	-0.44%



- Limited warranty : 25 years

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XC3 International's high efficiency module size is easy to handle and specifically designed for off grid applications.

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XC3i's module incorporates a reinforced anodised aluminium frame, designed to meet XC3i's High Quality Standards for corrosion resistance.

Electrival Data

Maximum Power(Pmax)	[W]	40
Tolerance	[%]	+10/-10
Maximum Power Voltage	[V]	17.4
Maximum Power Current	[A]	2.48
Open Circuit Voltage (Voc)	[V]	21.7
Short Circuit Current (Isc)	[A]	2.65
Temp. coefficient of Voc	[V/°C]	-0.37x10 ⁻²
Temp. coefficient of Isc	[A/°C]	0.08x10 ⁻²
NOCT	[°C]	47
Max System Voltage	[V]	600

Dimension

Length	[mm]	526
Width	[mm]	652
Depth without box	[mm]	35
Weight	[kg]	5.5

Cells

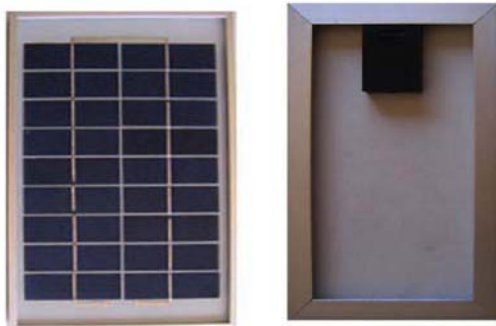
Number per module	36
Cell Technology	Polycrystalline
Cell Shape	Rectangular
Temperature Coefficient Power Pmax/°C	-0.44%



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XC3i's module incorporates a reinforced anodised aluminium frame, designed to meet XC3i's High Quality Standards for corrosion resistance.

Electrical Data

Maximum Power(Pmax)	[W]	5
Tolerance	[%]	+10/-10
Maximum Power Voltage	[V]	17.4
Maximum Power Current	[A]	0.71
Open Circuit Voltage (Voc)	[V]	10.8
Short Circuit Current (Isc)	[A]	0.57
Temp. coefficient of Voc	[V/°C]	-0.37x10 ⁻²
Temp. coefficient of Isc	[A/°C]	0.08x10 ⁻²
NOCT	[°C]	47
Max System Voltage	[V]	600

Dimension

Length	[mm]	318
Width	[mm]	183
Depth without box	[mm]	28
Weight	[kg]	1

Cells

Number per module	36
Cell Technology	Polycrystalline
Cell Shape	Rectangular
Temperature Coefficient Power Pmax/°C	-0.44%



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Electrical Data		
Maximum Power(Pmax)	[W]	10
Tolerance	[%]	-10/+10
Maximum Power Voltage	[V]	17.4
Maximum Power Current	[A]	0.59
Open Circuit Voltage (Voc)	[V]	21.5
Short Circuit Current (Isc)	[A]	0.65
Temp. coefficient of Voc	[V/°C]	-0.37x10 ⁻²
Temp. coefficient of Isc	[A/°C]	0.08x10 ⁻²
NOCT	[°C]	47
Max System Voltage	[V]	600

Dimension		
Length	[mm]	300
Width	[mm]	350
Depth without box	[mm]	28
Weight	[kg]	1.5

Cells	
Number per module	36
Cell Technology	Polycrystalline
Cell Shape	Rectangular
Temperature Coefficient Power Pmax/°C	-0.44%



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