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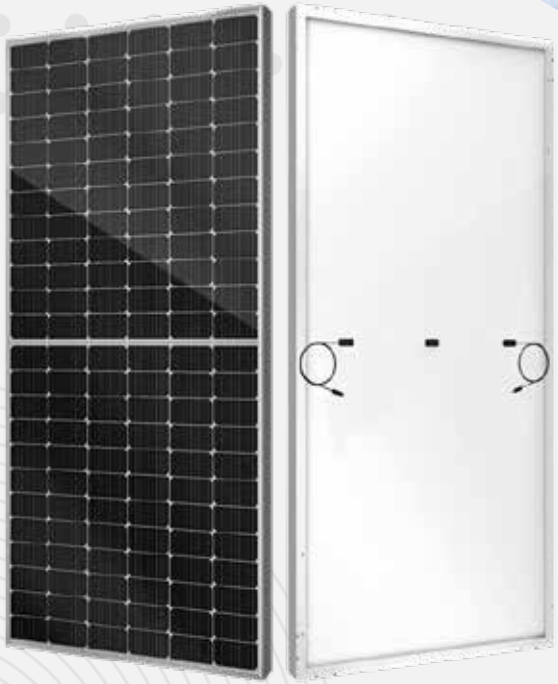
390W - 410W / 10 MBB HALF CUT CELL MONOFACIAL PV MODULE



Multiple Busbars (MBB)

Densely distributed grid lines, uniform load, multi-busbars design. Output power increased by more than 5W.

Shading, not compromising energy

Up-down symmetrical parallel module design Effectively reduce current mismatch due to shading.

New Welding Wire

Adopt round wire solder ribbon, low shading area. Multiple reflections of incident light, power increased by 1-2W.

High-Density Encapsulation Technology

The 182 Series adopts advanced high-density encapsulation technology to ensure the perfect balance of efficiency and reliability
Module efficiency increased by more than 0.15%.

Half-cut

Current density is reduced by 1/2
Internal power loss reduced to 1/4 of conventional modules.
Rated output power increased by 5~10W.

Lossless laser cutting

Lossless cutting technology, no mechanical damage smooth cutting surface without burrs.
Low cell cracking risks, micro-cracking is reduced by more than 50%.

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12 YEARS Product Warranty

%83 PERFORMANCE AT YEAR 25

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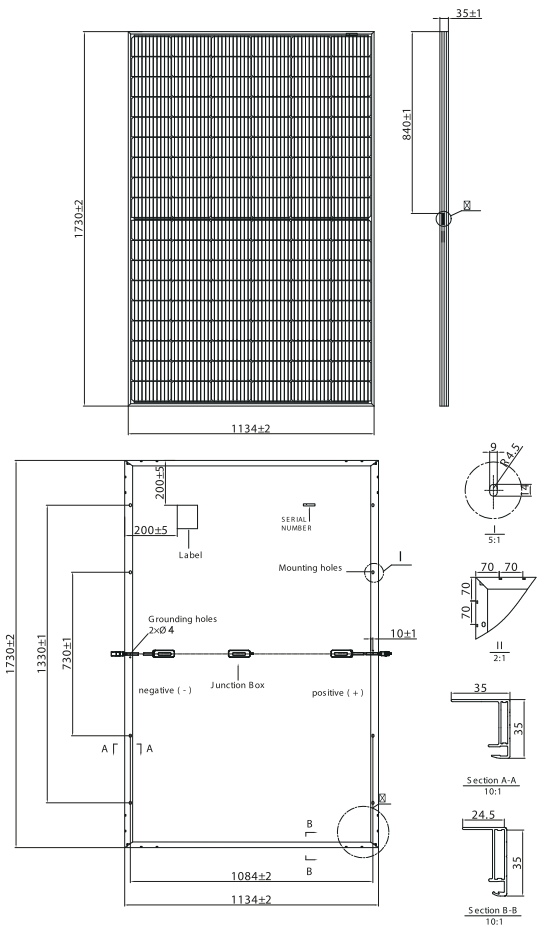
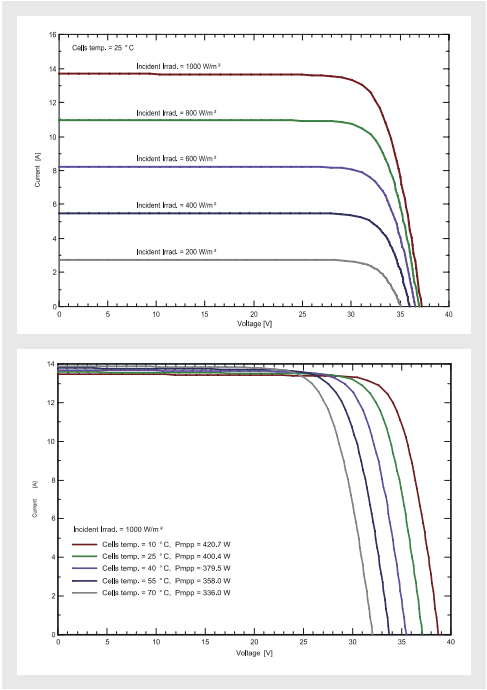
390W - 410W / 10 MBB HALF CUT CELL BIFACIAL GLASS-GLASS PV MODULE

390W - 410W / 10 MBB / MECHANICAL DRAWINGS



I-V CURVES



CORPS 390W-410W / 10MBB ELECTRICAL CHARACTERISTICS

Module Type	390W	395W	400W	405W	410W
Max Power at STC, Pmax	390W	395W	400W	405W	410W
Short Circuit Current, Isc	13.33A	13.42A	13.52A	13.61A	13.70A
Open Circuit Voltage, Voc	36.48V	36.63V	36.78V	36.93V	37.08V
Max Power Current, Impp	12.70A	12.80A	12.90A	13.00A	13.09A
Max Power Voltage, Vmpp	30.71V	30.86V	31.01V	31.16V	31.31V
Module Efficiency	20.0%	20.2%	20.5%	20.7%	21.0%
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Max System Voltage	1500V DC				
Max Series Fuse	25A				
Increased Snow Load	5400 Pa				
Operating Temperature	-40°C ~+85°C				
Number of Bypass Diodes	3				
Pmax Temperature Coefficient	-0.35 % °C				
Temperature Coefficient of Voc	-0.27 % °C				
Temperature Coefficient of Isc	+0.045% °C				

MECHANICAL SPECIFICATION

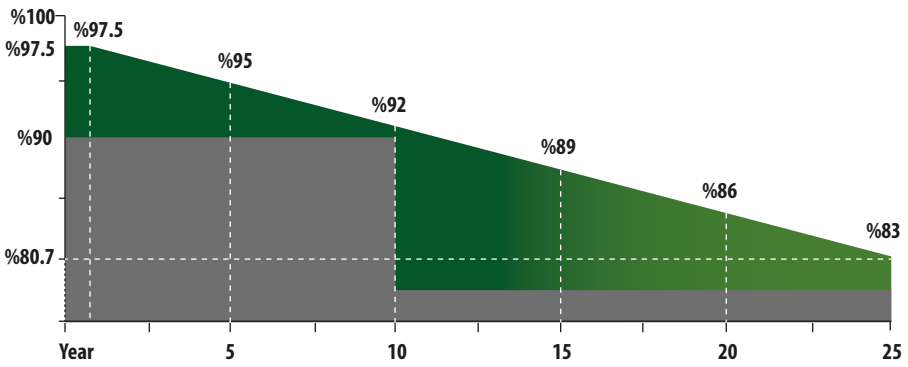
Cell Type	Mono Crystalline PERC 182x91mm
Number Of Cells	108 pcs [6×18]
Dimension (AxBxC)	1730×1134×35mm
Weights	21.8 Kg
Glass	3.2mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm, + 300mm, - 300mm Customized Length

PACKING CONFIGURATION

Container	40' HQ
Pieces Per Pallet	31
Pallets Per Container	26
Pieces Per Container	806

LINEAR PERFORMANCE WARRANTY

- **12 Years Manufacturing Warranty**
- **10 years %92 Power Output**
- **25 Years %83 Power Output**



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12 YEARS Product Warranty

%83 PERFORMANCE AT YEAR 25

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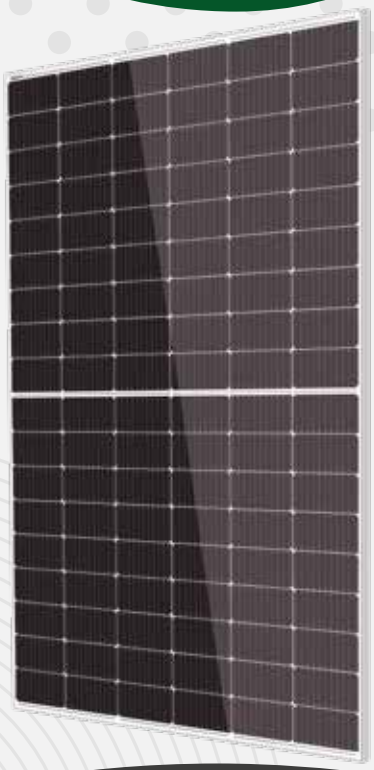
410-MF10-108HC HALF CUT CELL MONOFACIAL PV MODULE



Multiple Busbars (MBB)

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High-Density Encapsulation Technology

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Half-cut

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12 YEARS Product Warranty

%83 PERFORMANCE AT YEAR 25

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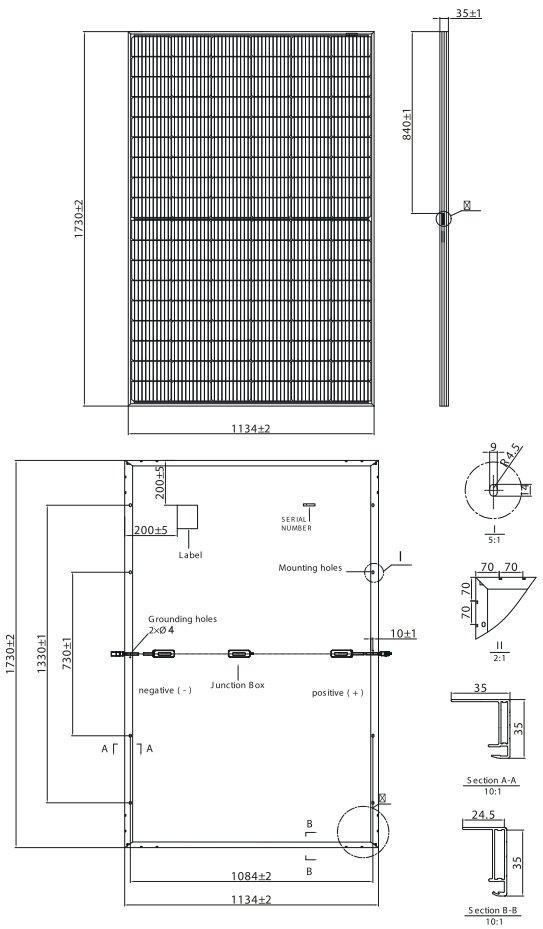
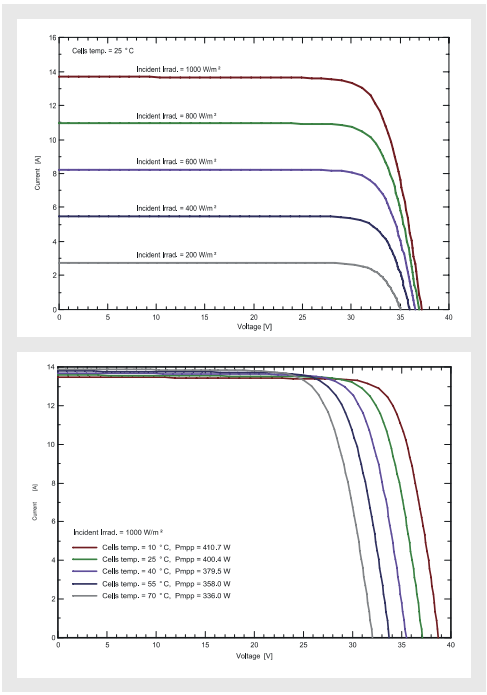
410-MF10-108HC HALF CUT CELL MONOFACIAL PV MODULE

CRPS410-MF10-108HC / MECHANICAL DRAWINGS



I-V CURVES



CRPS410-MF10-108HC ELECTRICAL CHARACTERISTICS

Module Type	390W	395W	400W	405W	410W
Max Power at STC, Pmax	390W	395W	400W	405W	410W
Short Circuit Current, Isc	13.33A	13.42A	13.52A	13.61A	13.70A
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Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Max System Voltage	1500V DC				
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Operating Temperature	-40°C ~+85°C				
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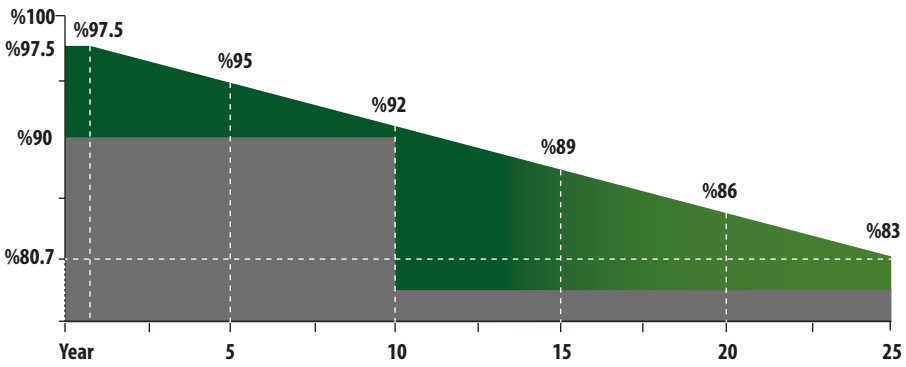
- **10 years %92 Power Output**
- **25 Years %83 Power Output**



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12 YEARS Product Warranty

%83 PERFORMANCE AT YEAR 25

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530W - 550W / 10 MBB HALF CUT CELL BIFACIAL GLASS-GLASS PV MODULE

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12 YEARS Product Warranty

%83 PERFORMANCE AT YEAR 25

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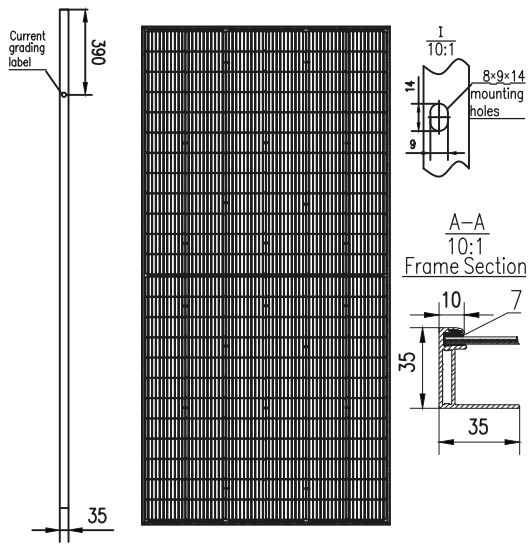
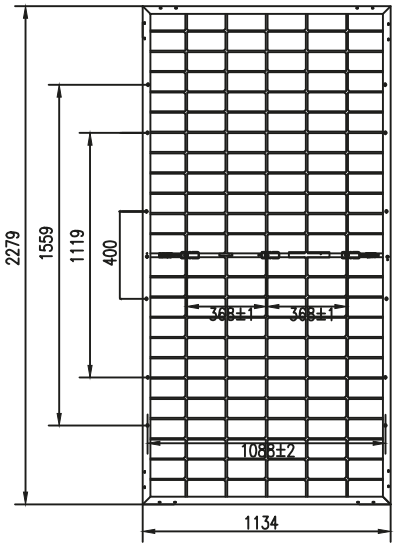
530W - 550W / 10 MBB HALF CUT CELL BIFACIAL GLASS-GLASS PV MODULE

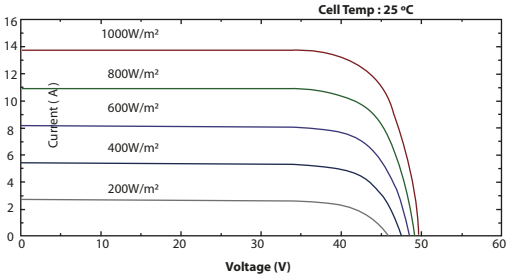
CORPS550W-MBf10-HGG / MECHANICAL DRAWINGS



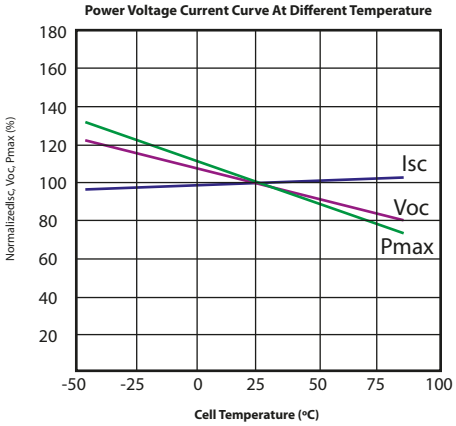


I-V CURVES

I-V Curves At Different Irradiances



Power Voltage Current Curve At Different Temperature



CORPS550W-MBf10-HGG ELECTRICAL CHARACTERISTICS FRONT SIDE

Module Type	530W	535W	540W	545W	550W
Max Power at STC, Pmax	530W	535W	540W	545W	550W
Short Circuit Current, Isc	13.68A	13.73A	13.78A	13.83A	13.88A
Open Circuit Voltage,Voc	48.68V	48.96V	49.24V	49.52V	49.80V
Max Power Current,Impp	12.94A	12.98A	13.03A	13.07A	13.12A
Max Power Voltage,Vmpp	40.96V	41.22V	41.45V	41.70V	41.93V
Module Efficiency	20.5%	20.7%	20.9%	21.1%	21.3%
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Max System Voltage	1500V DC				
Max Series Fuse	30A				
Increased Snow Load	5400 Pa				
Operating Temperature	-40°C ~+85°C				
Number of Bypass Diodes	3				
Pmax Temperature Coefficient	-0.35 % °C				
Temperature Coefficient of Voc	-0.28 % °C				
Temperature Coefficient of Isc	+0.05% °C				

MECHANICAL SPECIFICATION

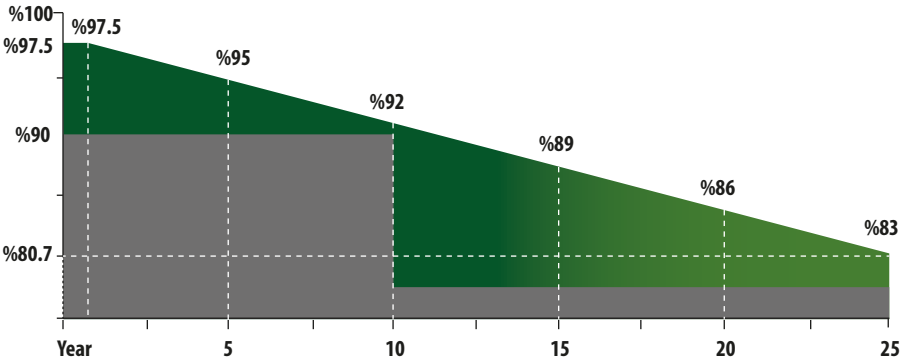
Cell Type	Mono Crystalline PERC 182x91mm
Number Of Cells	144 (6x24)
Dimension (AxBxC)	2279x1134x35mm
Weights	32.7 kg
Glass	Front Side: 2mm / Back Side: 2mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm2,+300mm,-300mm Customized Length

PACKING CONFIGURATION

Container	40' HQ
Pieces Per Pallet	31
Pallets Per Container	20
Pieces Per Container	620

LINEAR PERFORMANCE WARRANTY

- **12 Years Manufacturing Warranty**
- **10 years %92 Power Output**
- **25 Years %83 Power Output**



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12 YEARS Product Warranty

%83 PERFORMANCE AT YEAR 25

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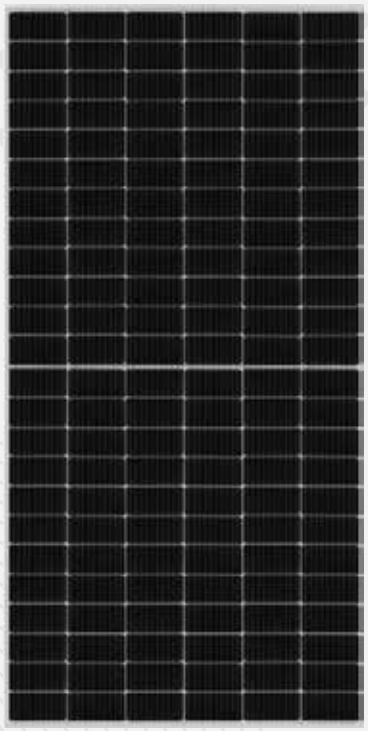
530W - 550W / 10 MBB HALF CUT CELL MONO PV MODULE



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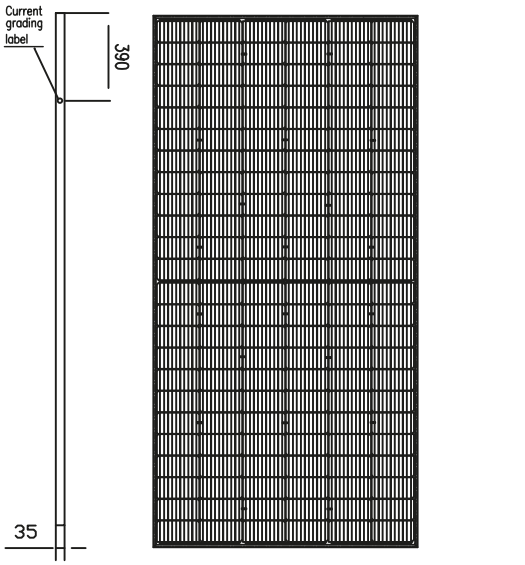
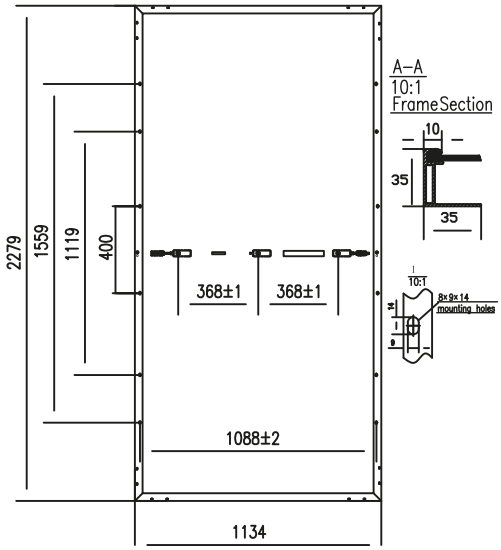
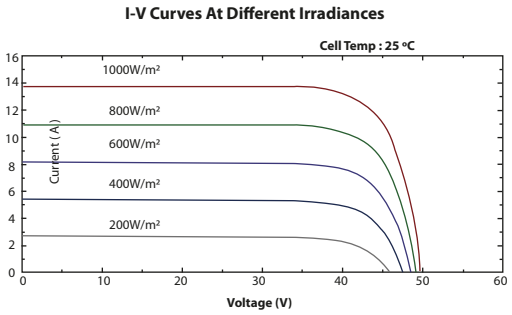
530W - 550W / 10 MBB HALF CUT CELL MONO PV MODULE

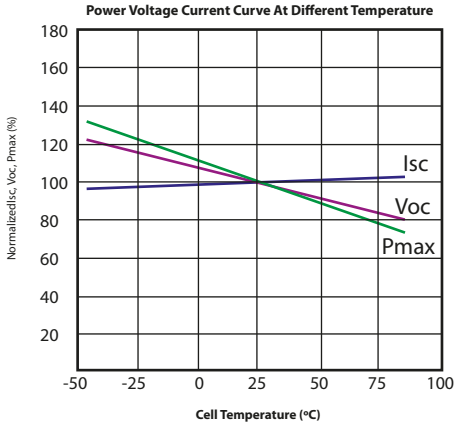
CRPS550-MF10-HC / MECHANICAL DRAWINGS





I-V CURVES





CRPS550-MF10-HC ELECTRICAL CHARACTERISTICS

Module Type	530W	535W	540W	545W	550W
Max Power at STC, Pmax	530W	535W	540W	545W	550W
Short Circuit Current, Isc	13.57A	13.60A	13.63A	13.66A	13.70A
Open Circuit Voltage, Voc	49.28V	49.51V	49.75V	49.98V	50.22V
Max Power Current, Impp	12.78A	12.81A	12.84A	12.87A	12.90A
Max Power Voltage, Vmpp	41.48V	41.77V	42.06V	42.35V	42.64V
Module Efficiency	20.5%	20.7%	20.9%	21.1%	21.3%
Power Tolerance	0, + 5W	0,+5W	0, +5W	0,+5W	0,+5W
Max System Voltage	1500V DC				
Max Series Fuse	25A				
Increased Snow Load	5400 Pa				
Operating Temperature	-40°C ~+85°C				
Number of Bypass Diodes	3				
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- 12 Years Manufacturing Warranty
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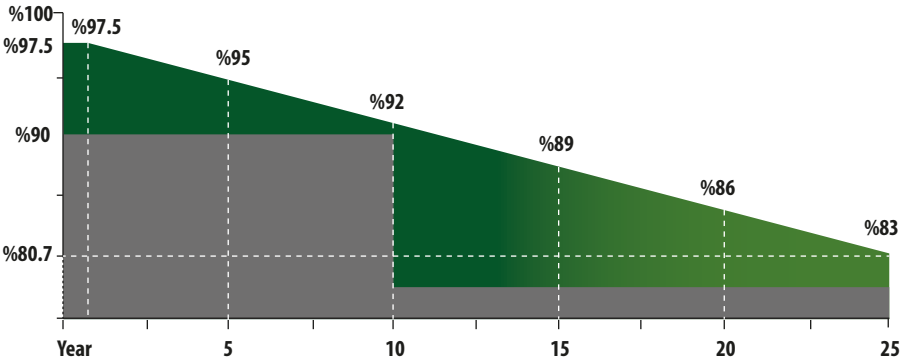

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