

## Monocrystalline MBB PERC Solar Panel XTMONO-535/545/550HC

### KEY FEATURES

MBB 182 mm half-cut PERC cells

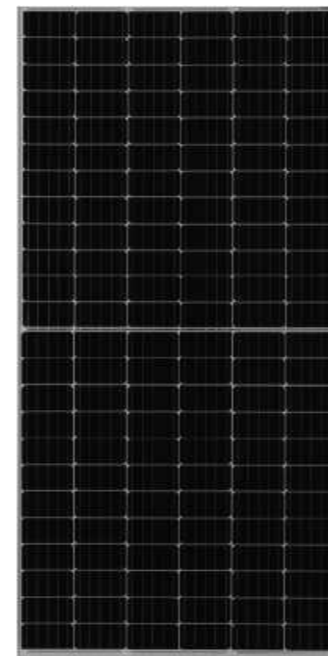
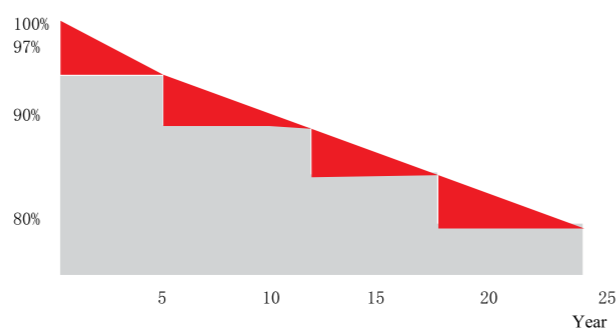
2 independent section design secures a higher energy yield in case of shading

High transmission, low Iron Tempered Glass

Half cut design in combination with multi busbar reduce operating current and internal resistance

### Superior Warranty

- 10 -year product warranty
- 25-year linear power output warranty



## Monocrystalline MBB PERC Solar Panel XTMONO-440/450/460HC

### KEY FEATURES

MBB 166 mm half-cut PERC cells

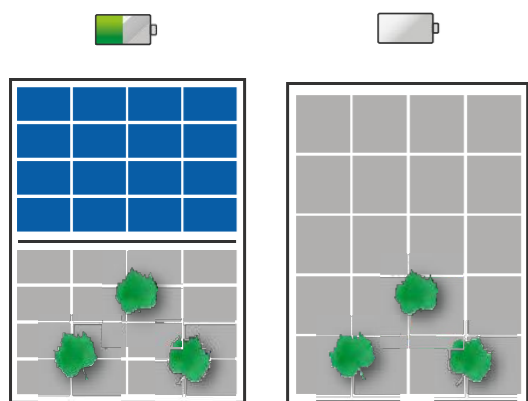
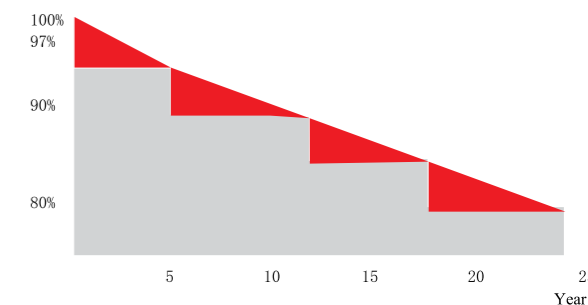
2 independent section design secures a higher energy yield in case of shading

High transmission, low Iron Tempered Glass

Half cut design in combination with multi busbar reduce operating current and internal resistance

### Superior Warranty

- 10 -year product warranty
- 25-year linear power output warranty



### MECHANICAL CHARACTERISTICS

Frame Material	Anodized Aluminium Alloy
Front Glass	Tempered Glass
Back Cover	TPT(Composite film)
Cell Encapsulant	EVA
Junction box	IP68
Cables	4mm <sup>2</sup> , 90cm
Connector	MC4
Max wind load	2400Pa
Max snow load	5400Pa

### TEMPERATURE COEFFICIENT

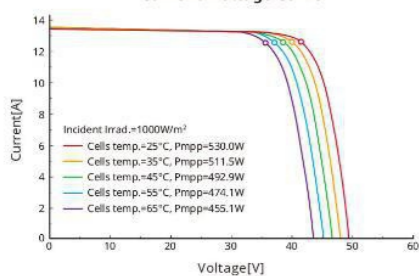
NOCT	45°C(±22)
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.31%/°C
Temperature Coefficient of Isc	0.05%/°C
Operating Temperature	-40°C ~ +85°C

### ELECTRONICAL CHARACTERISTICS

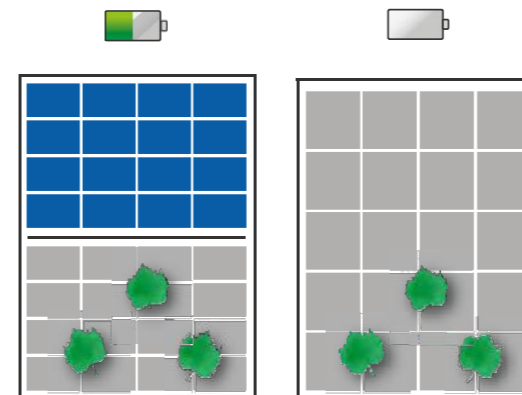
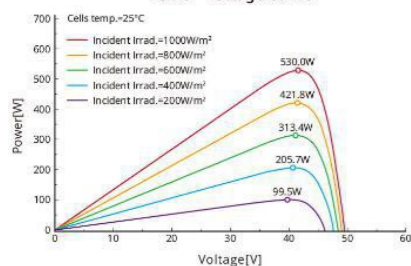
Module Type	XTMONO535HC	XTMONO545HC	XTMONO550HC
Maximum Power(Pmax)	535W	545W	550W
Maximum Power Voltage(Vmp)	41.8V	42.2V	42.4V
Maximum Power Current(Imp)	12.8A	12.91A	12.97A
Open Circuit Voltage(Voc)	49.6V	50V	50.2V
Short Circuit Current(Isc)	13.6A	13.72A	13.78A
Number of Cells	144 (6*24)	144 (6*24)	144 (6*24)
Size of Cells(mm)	182*91	182*91	182*91
Dimensions(mm)	2256*1135*35	2256*1135*35	2256*1135*35
Power Tolerance	±3%		
Maximum System Voltage	1500VDC		

### I-V CURVES

#### Current-Voltage Curve



#### Power-Voltage Curve



### MECHANICAL CHARACTERISTICS

Frame Material	Anodized Aluminium Alloy
Front Glass	Tempered Glass
Back Cover	TPT(Composite film)
Cell Encapsulant	EVA
Junction box	IP67
Cables	4mm <sup>2</sup> , 90cm
Connector	MC4
Max wind load	2400Pa
Max snow load	5400Pa

### TEMPERATURE COEFFICIENT

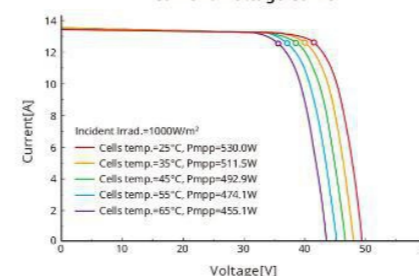
NOCT	45°C(±22)
Temperature Coefficient of Pmax	-0.38%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	0.048%/°C
Operating Temperature	-40°C ~ +85°C

### ELECTRONICAL CHARACTERISTICS

Module Type	XTMONO440HC	XTMONO450HC	XTMONO460HC
Maximum Power(Pmax)	440W	450W	460W
Maximum Power Voltage(Vmp)	41.0V	41.4V	41.6V
Maximum Power Current(Imp)	10.73A	10.87A	10.94A
Open Circuit Voltage(Voc)	49.4V	50.0V	50.3V
Short Circuit Current(Isc)	11.21A	11.36A	11.43A
Number of Cells	144 (6*24)	144 (6*24)	144 (6*24)
Size of Cells(mm)	166*83	166*83	166*83
Dimensions(mm)	2094*1038*35	2094*1038*35	2094*1038*35
Power Tolerance	±3%		
Maximum System Voltage	1500VDC		

### I-V CURVES

#### Current-Voltage Curve



#### Power-Voltage Curve

