

## M10 HALF CELL MONO **435W-455W**

### **120 CELL**

M10 MBB MONO PERC

### **20.05%**

MAXIMUM EFFICIENCY

### **0 to +5W**

POSITIVE POWER TOLERANCE



Higher Output of Power



For Environment For Future



Optimize the Temperature Coefficient



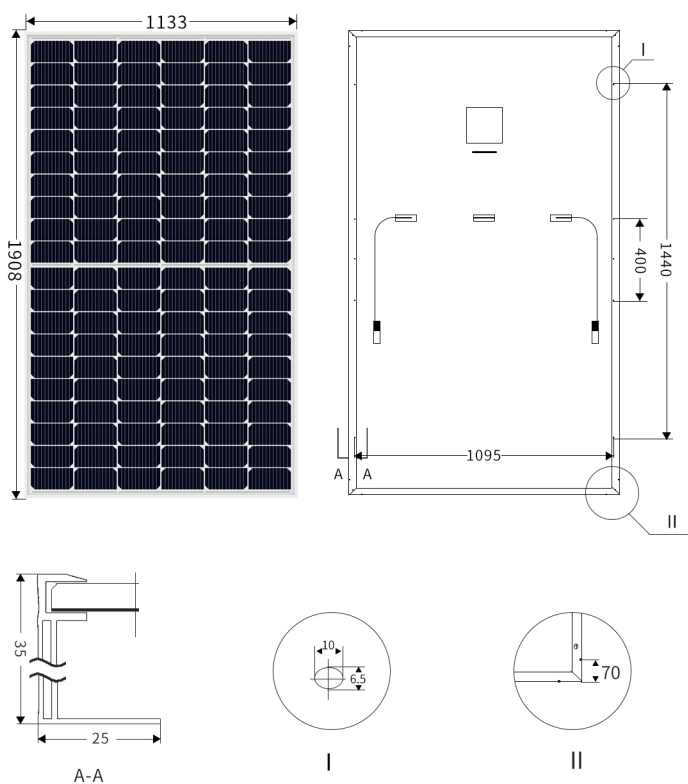
Reduce Equipment & Material Cost



Module Type		PW-60M435HM10		PW-60M440HM10		PW-60M445HM10		PW-60M450HM10		PW-60M455HM10	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	435	323.74	440	327.46	445	331.18	450	334.9	455	338.63
Maximum Power Voltage	$V_{MPP}(V)$	34.16	31.78	34.21	31.83	34.26	31.87	34.31	31.92	34.36	31.97
Maximum Power Current	$I_{MPP}(A)$	12.74	10.19	12.87	10.29	12.99	10.39	13.12	10.49	13.25	10.6
Open Circuit Voltage	$V_{OC}(V)$	41.38	39.06	41.44	39.12	41.50	39.17	41.56	39.23	41.62	39.29
Short Circuit Current	$I_{SC}(A)$	13.41	10.83	13.55	10.94	13.67	11.04	13.81	11.15	13.95	11.26
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	20.13		20.36		20.59		20.82		20.05	

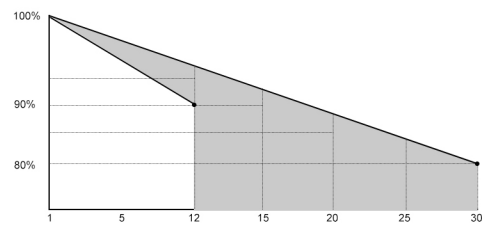
STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m<sup>2</sup> according to EN 60904-1  
 NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

## DIMENSIONS OF PV MODULE



## LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty 30 Year Linear Power Warranty



## TEMPERATURE RATINGS

Nominal Operating Cell Temperature(NOCT)	45±2°C
Temperature Coefficient of $P_{MAX}$	-0.348%/°C
Temperature Coefficient of $V_{OC}$	-0.282%/°C
Temperature Coefficient of $I_{SC}$	+0.05%/°C

## MAXIMUM RATING

Operational Temperature	-40 to +85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	25A
Mechanical Load	5400pa
Wind Load	2400pa

## MECHANICAL DATA

Solar Cells	MBB Mono PERC 182x91mm
Cell Orientation	120 Cells (6 x 20)
Module Dimensions	1908 x 1133 x 35mm
Weight	24kg
Glass	3.2mm Low-iron Tempered Suede Glass
Backsheet	White
Frame	Silver Anodized Aluminium Alloy(Black Available)
J-Box	IP 68 Rated
Cables	Photovoltaic Technology Cable 4.0mm <sup>2</sup> , 350mm
Connector	EVO2 or EVO2 Compatible
<b>PACKING CONFIGURATION</b>	Modules per Box: 31 Pieces <span style="float: right;">Modules per 40' Container: 744 Pieces</span>

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