

# M10 HALF CELL MONO **530W-550W**

# ESSOLX

## **144 CELL**

M10 MBB MONO PERC

## **21.3%**

MAXIMUM EFFICIENCY

## **0 to +5W**

POSITIVE POWER TOLERANCE



Higher Output of Power



For Environment For Future



Optimize the Temperature Coefficient



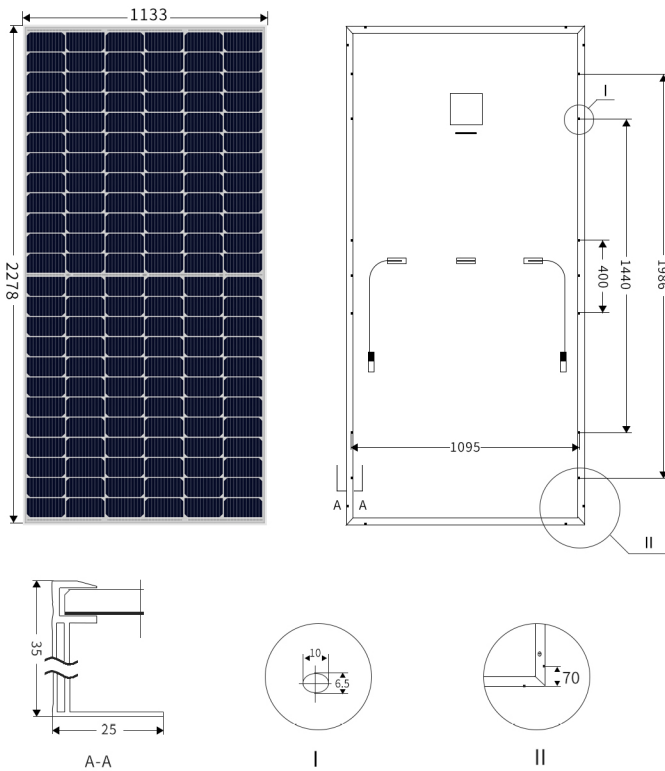
Reduce Equipment & Material Cost



Module Type		X-72M530HM10		X-72M535HM10		X-72M540HM10		X-72M545HM10		X-72M550HM10	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	530	394.44	535	398.16	540	401.88	545	405.61	550	409.33
Maximum Power Voltage	$V_{MPP}(V)$	40.47	37.65	40.6	37.77	40.73	37.89	40.86	38.02	40.99	38.14
Maximum Power Current	$I_{MPP}(A)$	13.1	10.48	13.18	10.54	13.26	10.6	13.34	10.67	13.42	10.73
Open Circuit Voltage	$V_{OC}(V)$	49.02	46.27	49.18	46.43	49.34	46.58	49.5	46.73	49.65	46.87
Short Circuit Current	$I_{SC}(A)$	13.79	11.14	13.87	11.2	13.96	11.27	14.04	11.34	14.13	11.41
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	20.5		20.7		20.9		21.1		21.3	

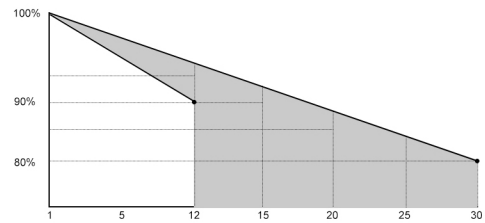
STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m<sup>2</sup> according to EN 60904-1  
 NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

## 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 182 x 91mm
Cell Orientation	144 Cells (6 x 24)
Module Dimensions	2278 x 1133 x 35mm
Weight	28kg
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass -3.2mm
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

**PACKAGING CONFIGURATION** Modules per Box: 31 Pieces Modules per 40' Container: 620 Pieces

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