

M6 Mono Half Cell Module

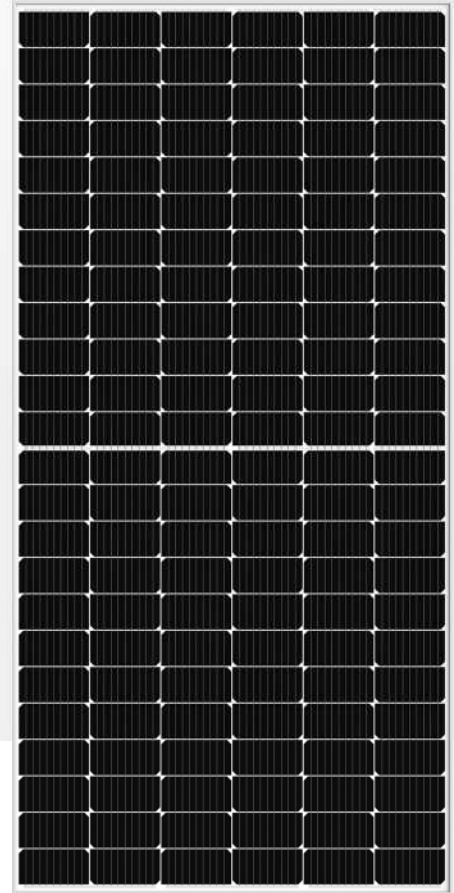
ASM6-144-166
435~455W

· ASM6-144-435M ASM6-144-440M ASM6-144-445M ASM6-144-450M
· ASM6-144-455M

IEC61215/IEC61730

ISO9001: Quality Management System ISO14001 Environmental Management System

ISO45001: Occupational Health and Safety Management System



Higher Power Output



Better Low-light Performance



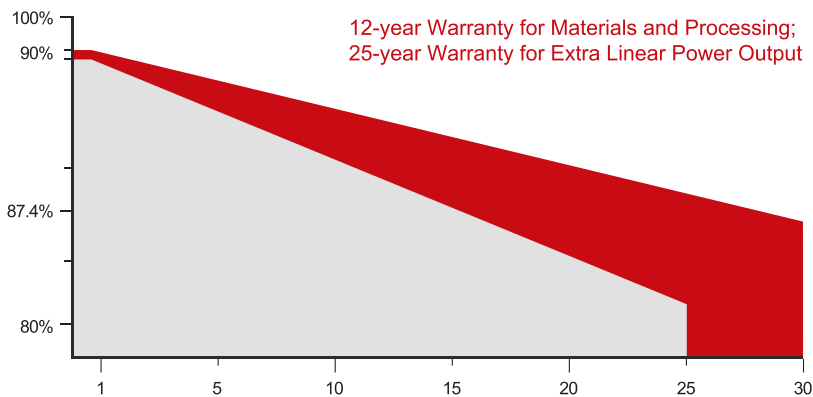
Less Shading Effect



0+5W Positive Tolerance



MBB Half Cut Cell With PERC Technology



-0.55%
25-year Power
Warranty Annual
Power Attenuation
-0.55%

■ Additional value from Alico Solar's linear warranty
■ Standard performance warranty

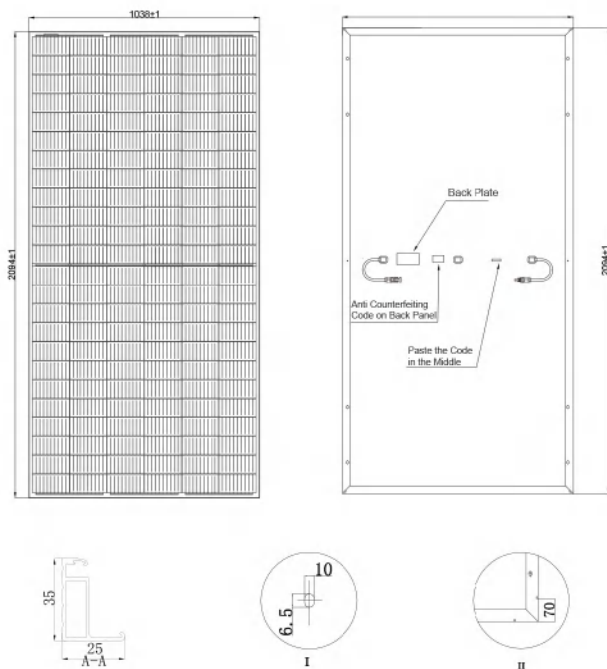
▲ M6 Mono Half Cell (6x24) Mono Solar Module

Module Type		ASM6-144-435M		ASM6-144-440M		ASM6-144-445M		ASM6-144-450M		ASM6-144-455M	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	Pmax(W)	435	325	440	328	445	332	450	336	455	339
Open Circuit Voltage	Voc(V)	48.5	45.6	48.7	45.8	48.9	46	49.1	46.2	49.3	46.4
Short Circuit Current	Isc(A)	11.42	9.21	11.48	9.26	11.54	9.31	11.6	9.36	11.66	9.41
Maximum Power Voltage	Vm(V)	40.5	37.8	40.7	37.9	40.9	38.1	41.1	38.3	41.3	38.5
Maximum Power Current	Im(A)	10.75	8.59	10.82	8.65	10.89	8.71	10.96	8.76	11.02	8.82
Module Efficiency	(%)	20.01		20.24		20.47		20.70		20.93	
Tolerance	(W)	0~+5									
Cell Type	(mm)	166x166									
Number of Cells	(Pcs)	144 (6x24)									
Maximum System Voltage	(V)	1500V(IEC)									
Temp. Coeff. of Voc	(%/°C)	-0.270									
Temp. Coeff. of Isc	(%/°C)	0.048									
Temp. Coeff. of Pm	(%/°C)	-0.350									
Operating Temperature	°C	-40 to 85									
Nominal Operating Cell Temperature (NOCT)	°C	45±2									
Max. Series Fuse	(A)	20									
Pressure Bearing	(Pa)	5400									
Wind Bearing	(Pa)	2400									

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind speed 1m/s

ENGINEERING DRAWINGS



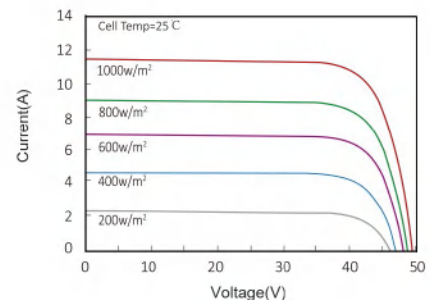
Manufactured in China

MATERIAL DETAILS

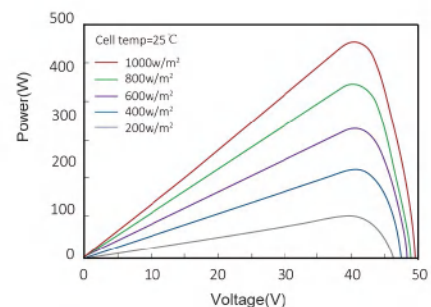
Frame	Anodized aluminum alloy frame
Glass	single glass 3.2mm coated tempered glass
Cell	6x24 mono solar cell
Junction Box	IP≥68,TUV&UL
Diode Quantity	3
Cable&Connector	4mm ² , EVO2 or EVO2 compatible
Cable Length	300mm or as customer's requirements

IV CURVES

Current-Voltage Curve (ASM6-144-166)



Power-Voltage Curve (ASM6-144-166)



PACKING DETAILS

Dimension	(mm)	2098x1002x30
Weight	(kg)	25.5
Loading Capacity		150pcs/20GP 660pcs/40HC
Packing	Pcs/pallet	30