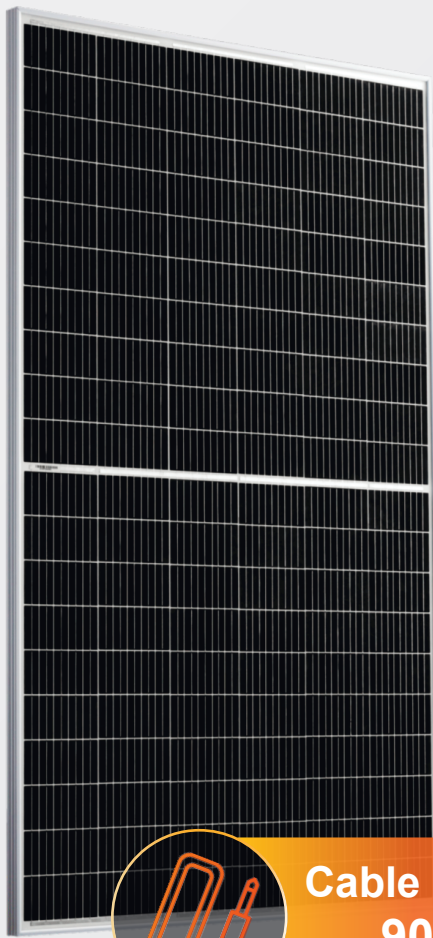


AXM120-9-158-340



AXIOMA

ENERGY



Cable length
900 mm



9 Busbar Solar Cell

Stronger current collection ability, Special circuit design with much lower hot spot temperature



Mono Half-cell Module

Reduced resistance between cells
Less micro cracks, higher output power



Double electroluminescence (EL) tests

Carefully inspected before and after lamination to guarantee fault-free modules



Outstanding mechanical load resistance

3800 Pa wind load, 5400 Pa snow load



High performance under low light

Works at cloudy, rainy days



Anti-PID (potential induced degradation)

Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours



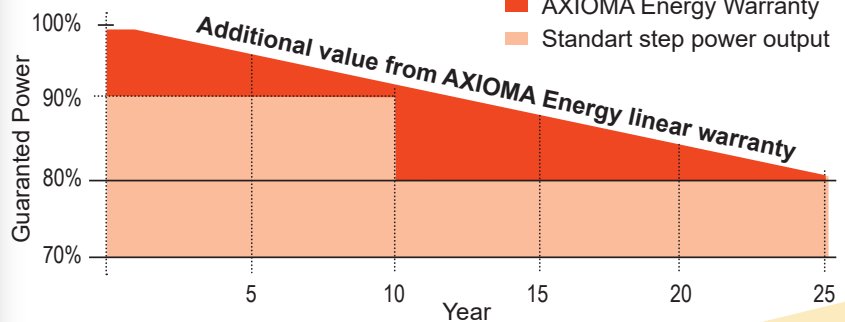
Positive power tolerance (0~+5W)

25-YEAR

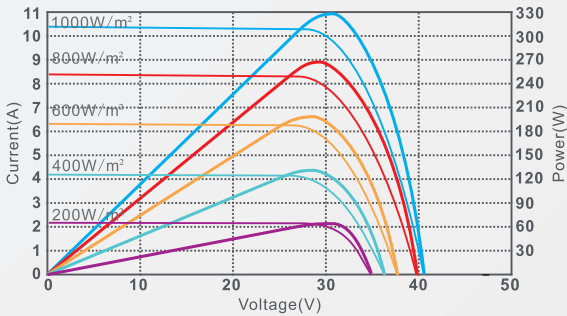
LINEAR WARRANTY

12-YEAR

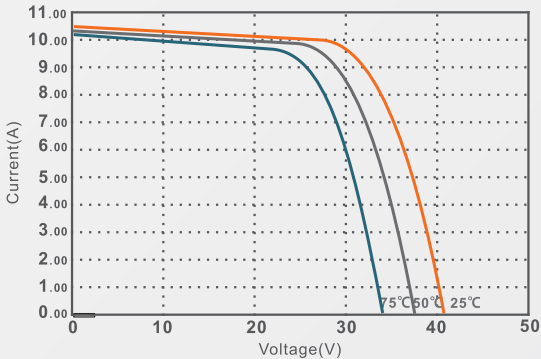
PRODUCT WARRANTY



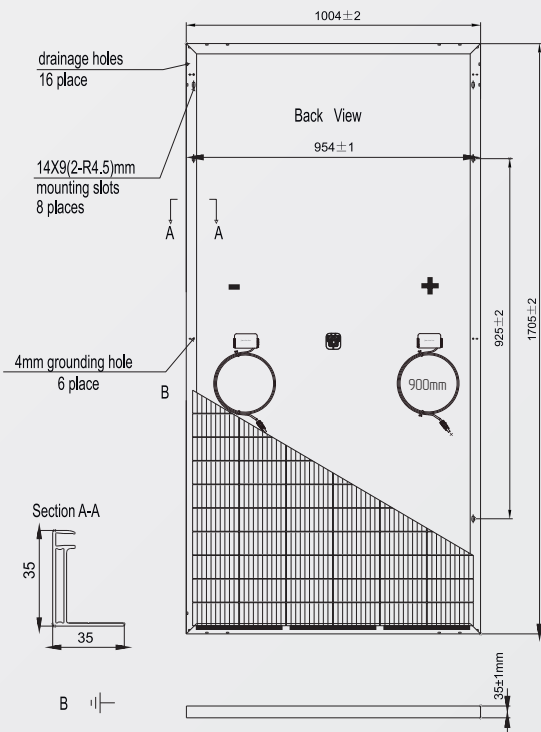
» I-V CURVE



I-V CURVES OF PV MODULE(340W)



P-V CURVES OF PV MODULE(340W)



Please read the instruction manual in this entirety before handing, installing, and operating AXIOMA ENERGY modules. Due to continuous innovation, research and improvement, the specification is subject to change without prior notice.

» ELECTRICAL PERFORMANCE

Electrical Parameters Standard Test Conditions

Module Type			AXM120-9-158-330	AXM120-9-158-335	AXM120-9-158-340
Power Output	P_{max}	W	330	335	340
Power Tolerance	ΔP_{max}	W	0/+5W		
Module Efficiency	η_m	%	19,28	19,57	19,89
Voltage at P_{max}	V_m	V	33,5	33,7	33,9
Current at P_{max}	I_m	A	9,85	9,94	10,03
Open-Circuit Voltage	V_{oc}	V	41,0	41,2	41,4
Short-Circuit Current	I_{sc}	A	10,26	10,35	10,44

STC: 1000W/m² irradiance, 25°C module temperature, AM1.5

» THERMAL CHARACTERISTICS

Nominal Operating Cell Temperature	NOCT	°C	45±2
Temperature Coefficient of P_{max}	γ	%/°C	-0,390
Temperature Coefficient of V_{oc}	β_{voc}	%/°C	-0,290
Temperature Coefficient of I_{sc}	α_{isc}	%/°C	0,049

» OPERATING CONDITIONS

Max. System Voltage	1000V/1500V
Max. Series Fuse Rating	15A
Operating Temperature Range	-40°C ~ 85°C
Max static snow load	5400Pa
Max static wind load	3800Pa
Application Class	A

» CONSTRUCTION MATERIALS

Front Cover(material/type/thickness)	low-iron tempered glass/3.2mm
Cell(quantity/material/type/dimension)	120/monocrystalline/156x79mm
Encapsulant(material)	ethylene vinyl acetate (EVA)
Frame(material/anodization color)	anodized aluminum
Junction Box(protection degree)	IP67
Cable(length/cross-sectional area)	4mm ² /900mm
Plug Connector	MC4 compatible

» GENERAL CHARACTERISTICS

Dimension(L/W/H)	1705x1004x35mm
Weight	19 kg

» PACKING CONFIGURATION

Pallet Size(L/W/H)	1745x1120x2470mm
Pallet Weight	1288 kg
Pieces per Pallet	64 pcs
Pieces per Container	832 pcs

» INTERNATIONAL CERTIFICATES

- TÜV SÜD, TÜV NORD, UL, CE, JET, CEC
- MCS, CQC, IMERTRO, NRE, KS
- ISO9001:2015
- ISO14001:2015
- BS OHSAS 18001:2007