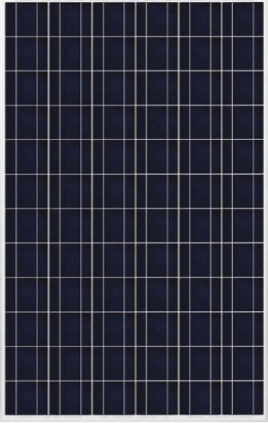


250-290 Watt

MONOCRYSTALLINE SOLAR MODULE



- High efficiency crystalline silicon cells
- High transmission low iron tempered glass, strong mechanical resistance
- Standard waterproof junction box, with bypass diode
- High endurance to different atrocious weather
- Custom designed modules according to clients' requirement

Electrical Characteristic

Module type		AP-M250	AP-M260	AP-M270	AP-M280	AP-M290
Maximum Power at STC(Pmax)	W	250	260	270	280	290
Power Output Tolerance	%	+/-3				
Module Efficiency	%	14.5	15.1	15.6	16.2	16.77
Optimum Operating Voltage(Vmp)	V	34.7	34.8	35	35.3	35.7
Optimum Operating Current(Imp)	A	7.2	7.45	7.71	7.93	8.12
Open-Circuit Voltage(Voc)	V	44	44.3	44.6	44.8	44.8
Short-Circuit Current(Isc)	A	7.75	8.02	8.12	8.33	8.41
Operating Module Temperature		-40°C to +80°C				
Maximum Series Fuse Rating		15A				

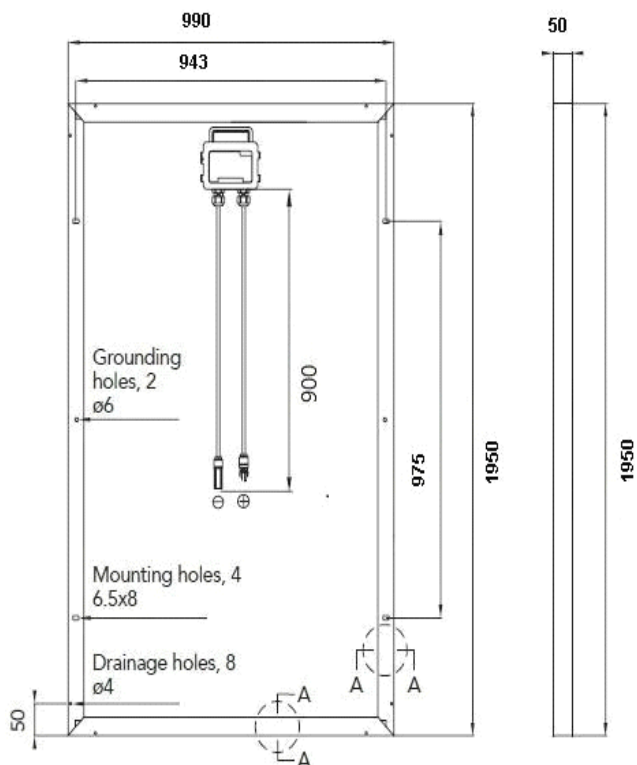
Mechanical Characteristics

Solar Cell	Monocrystalline 156x156mm
No. of Cells	72(6x12)
Dimensions	1950x990x50mm
Weight	25kg
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Laminating material	EVA
Backsheet material	TPT
Junction Box	IP65

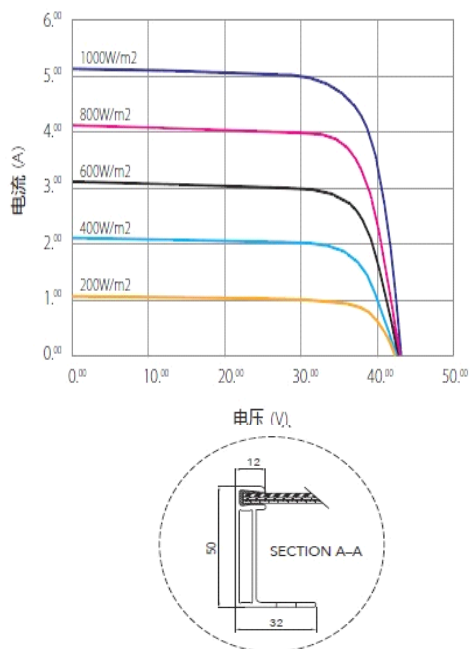
Packing Configuration

Pieces Per Container	20'GP	40'GP
	196	420

Unit: mm



I-V Curve



Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of P _{max}	-0.45%/°C
Temperature Coefficient of V _{oc}	-0.34%/°C
Temperature Coefficient of I _{sc}	0.050%/°C

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