

70-100 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-M070	AP-M075	AP-M080	AP-M085	AP-M090	AP-M100
Maximum Power at STC(Pmax)	W	70	75	80	85	90	100
Power Output Tolerance	%	+/-3					
Module Efficiency	%	13	14.2	15	16	16.82	18.2
Optimum Operating Voltage(Vmp)	V	17.5	17.2	17.2	17.6	18	18.2
Optimum Operating Current(Imp)	A	4	4.37	4.66	4.83	5	5.5
Open-Circuit Voltage(Voc)	V	21.5	21.6	21.6	21.9	22.4	22.7
Short-Circuit Current(Isc)	A	4.32	4.87	5	5.14	5.3	5.8
Operating Module Temperature		-40°C to +80°C					
Maximum Series Fuse Rating		15A					

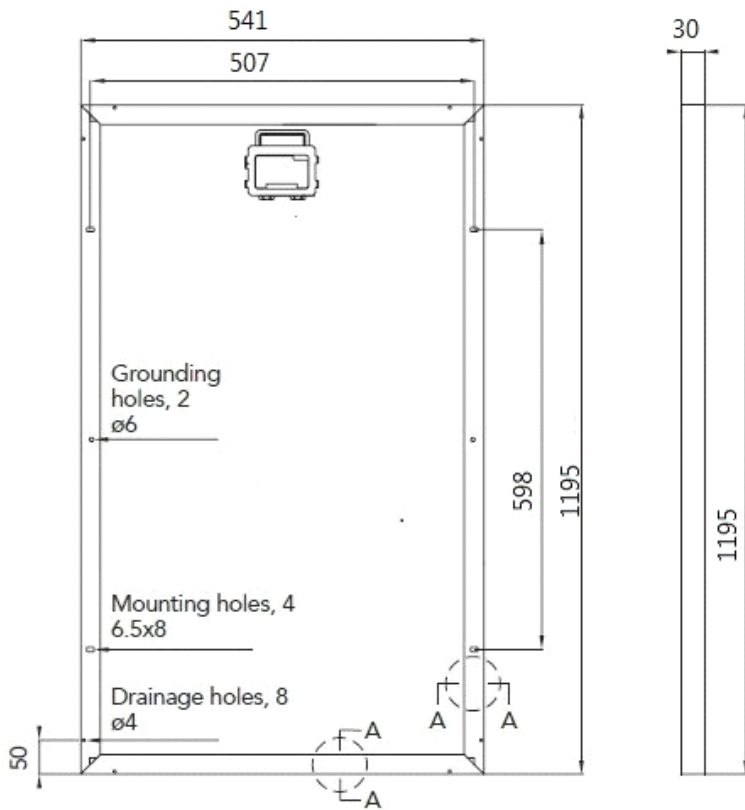
Mechanical Characteristics

Solar Cell	Monocrystalline 125x125 mm
No. of Cells	36(4x9)
Dimensions	1195x541x30mm
Weight	11.5kg
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Laminating material	EVA
Backsheet material	TPT
Junction Box	IP65

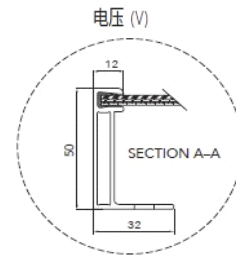
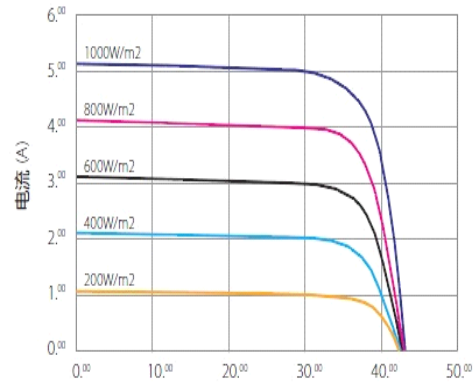
Packing Configuration

Pieces Per Container	20'GP	40'GP
	780	1680

Unit: mm



I-V Curve



Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.45%/°C
Temperature Coefficient of Voc	-0.34%/°C
Temperature Coefficient of Isc	0.050%/°C

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