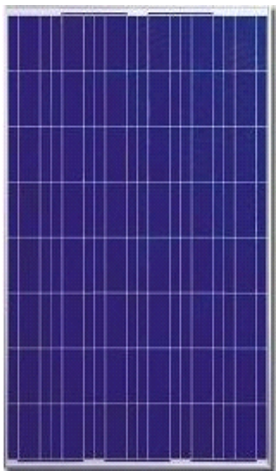
160-180Watt

POLYCRYSTALLINE SOLAR MODULE

ANPRO GROUP
安普集团



-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-P160	AP-P165	AP-P170	AP-P175	AP-P180
Maximum Power at STC(Pmax)	W	160	165	170	175	180
Power Output Tolerance	%	+/-3				
Module Efficiency	%	13.7	14.2	14.6	15	15.4
Optimum Operating Voltage(Vmp)	V	21.9	22.1	22.3	22.4	22.6
Optimum OperatingCurrent(Imp)	A	7.32	7.47	7.61	7.81	7.95
Open-Circuit Voltage(Voc)	V	29.3	29.5	29.6	29.6	29.6
Short-Circuit Current(Isc)	A	7.85	7.87	8.11	8.25	8.33
Operating Module Temperature	’-40℃to +80℃					
Maximum Series Fuse Rating	15A					

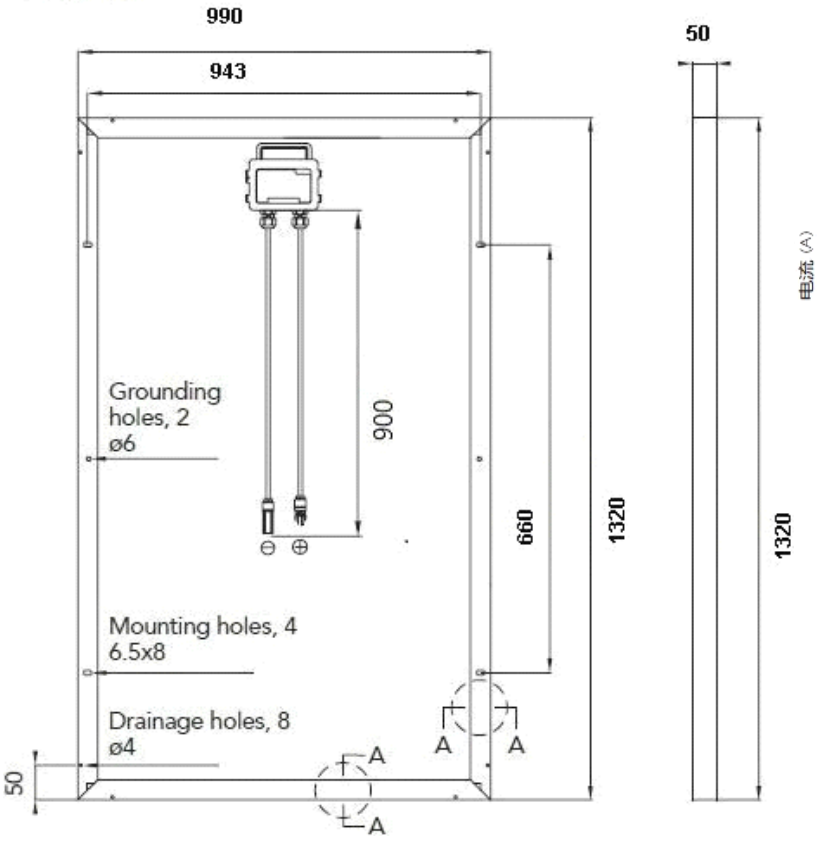
Mechanical Characteristics

Solar Cell	Polycrystalline 156x156 mm
No. of Cells	48(6x8)
Dimensions	1320x990x50mm
Weight	16.9kg
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Laminating material	EVA
Backsheet material	TPT
Junction Box	IP65

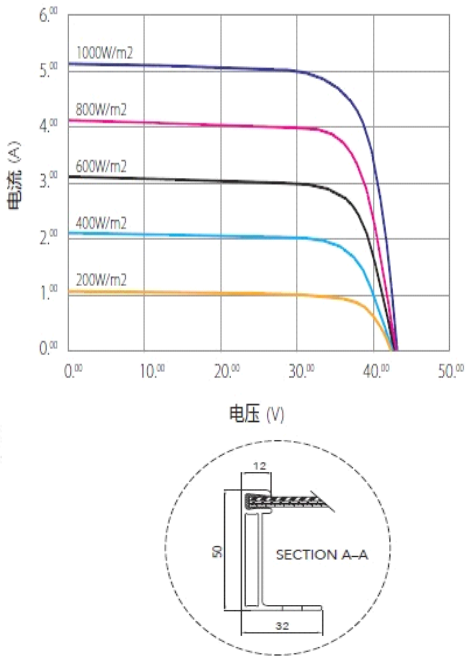
Packing Configuration

	20'GP	40'GP
Pieces Per Container	260	540

Unit: mm



I-V Curve



Temperature Characteristics

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

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