210-230 Watt

MONOCRYSTALLINE 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-M210	AP-M220	AP-M230
Maximum Power at STC(Pmax)	W	210	220	230
Power Output Tolerance	%	+/-3		
Module Efficiency	%	14.9	15.5	16.3
Optimum Operating Voltage(Vmp)	V	47	49.5	49.5
Optimum OperatingCurrent(Imp)	A	4,47	4.65	4.65
Open-Circuit Voltage(Voc)	V	58.4	59	44
Short-Circuit Current(Isc)	A	4.95	5.13	5.13
Operating Module Temperature	’-40℃to +80℃			
Maximum Series Fuse Rating	15A			

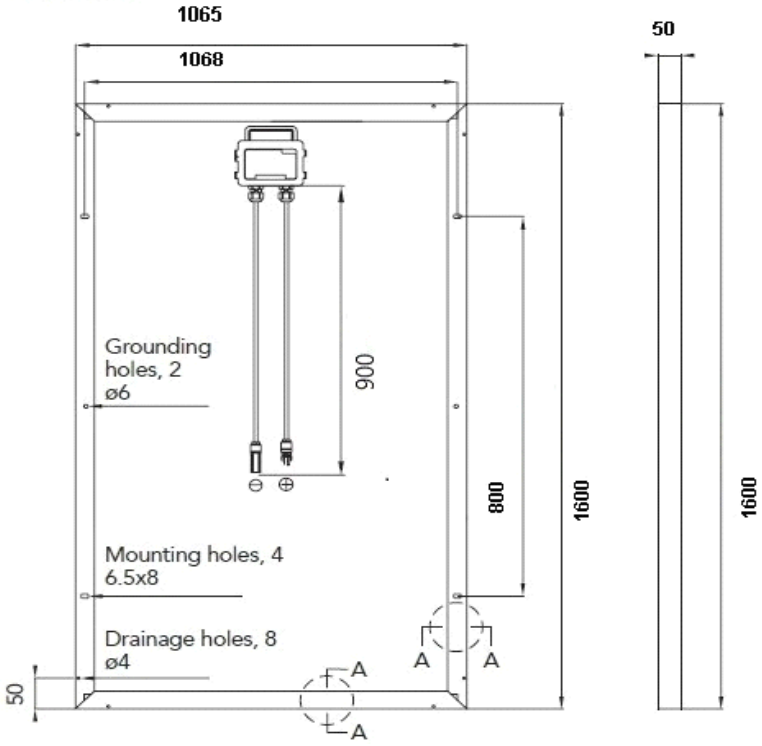
Mechanical Characteristics

Solar Cell	Monocrystalline 125x125 mm
No. of Cells	72(6x12)
Dimensions	1600x1065x50mm
Weight	22kg
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Laminating material	EVA
Backsheet material	TPT
Junction Box	IP65

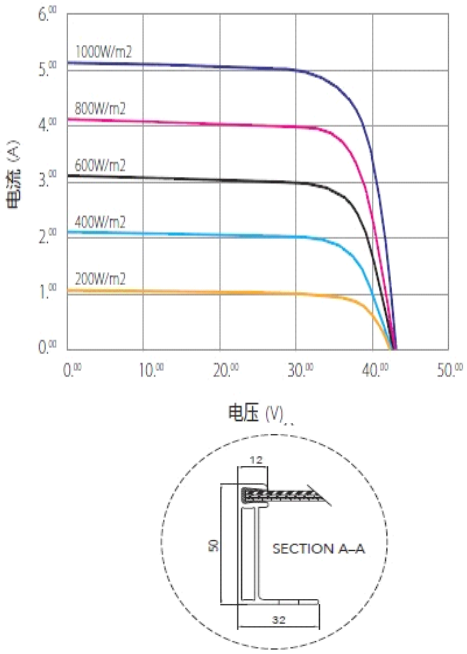
Packing Configuration

	20'GP	40'GP
Pieces Per Container	213	457

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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