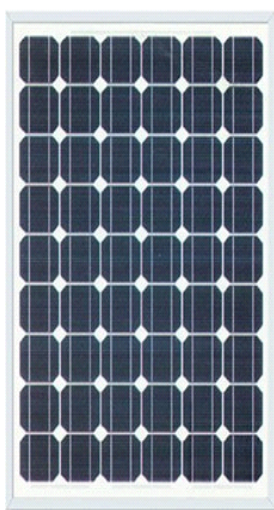


# 110-140 Watt

## 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-M110	AP-M120	AP-M130	AP-M140
Maximum Power at STC(Pmax)	W	110	120	130	140
Power Output Tolerance	%	+/-3			
Module Efficiency	%	14	15	16.5	17
Optimum Operating Voltage(Vmp)	V	25.54	26.46	27.14	28
Optimum Operating Current(Imp)	A	4.45	4.59	4.72	5
Open-Circuit Voltage(Voc)	V	32.78	32.89	33.1	33.3
Short-Circuit Current(Isc)	A	4.9	4.91	5.13	5.3
Operating Module Temperature	-40°C to +80°C				
Maximum Series Fuse Rating	15A				

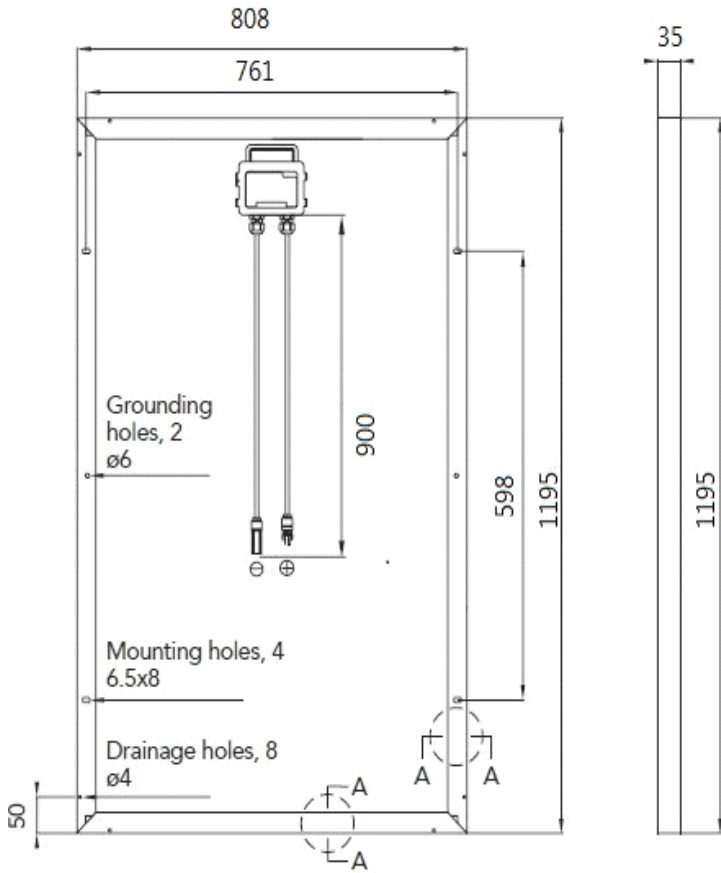
## Mechanical Characteristics

Solar Cell	Monocrystalline 125x125 mm
No. of Cells	36(4x9)
Dimensions	1195x808x35mm
Weight	8.7kg
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Laminating material	EVA
Backsheet material	TPT
Junction Box	IP65

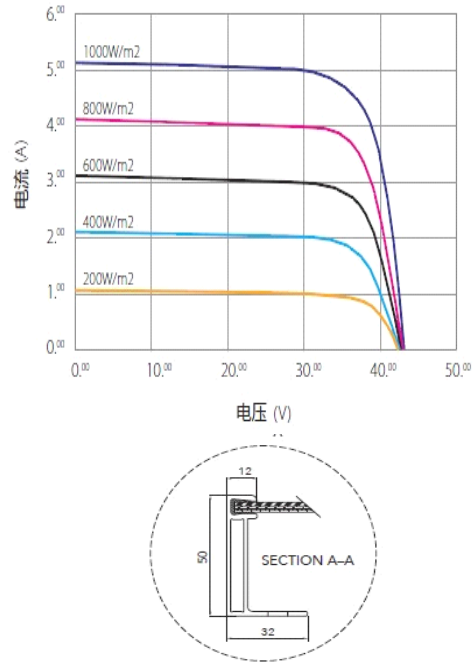
## Packing Configuration

Pieces Per Container	20'GP	40'GP
	580	1260

Unit: mm



I-V Curve



## Temperature Characteristics

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

Hebei Anpro New Energy S&T Ltd.,

Add: Handan Equipment Industrial Park, Hebei Province, China

Tel: 86-310-8679555 8679099

Email: anprosolar@anprogroup.com

www.anprogroup.com

