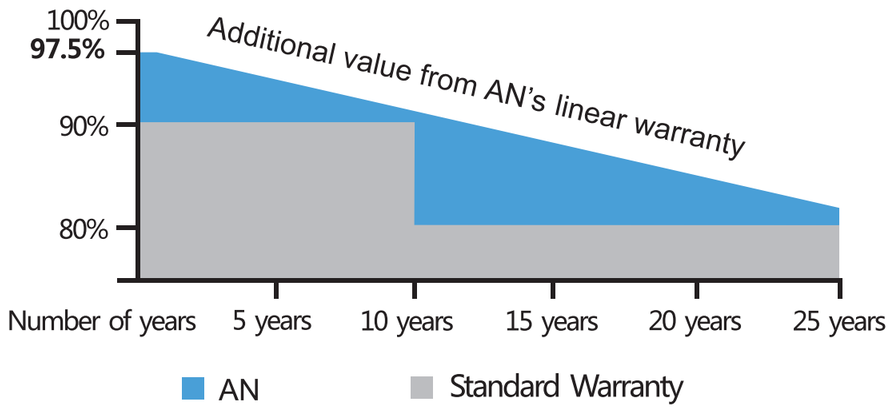
Warranty

AN's **NEW** linear performance warranty



Warranty

12 Manufacturing
12 Years

Power Production
90%:12years 80%:25years

Insurance

Insured by CHUBB

Strengths

+3% Tolerance: 0+3%

Plug&Play Connectors

High transmission,low Iron Tempered Glass

Bypass Diodes Protection

Salt Mist And Ammonia Resistance Test

2400 Pa 5400 Pa 5400 Pa snow load,2400 Pa wind load

Production Process

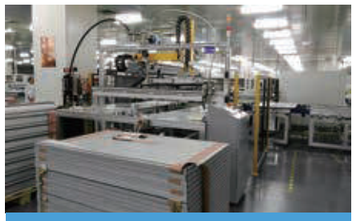

1 Cell Classifying


2 Cells Welding


3 Module Lay-up


4 EL Testing


5 Lamination


6 Framing Juction Box


7 Module Solidifying


8 Module Cleaning


9 Final Testing
(EL testing+flash testing)


10 Package

High Efficiency
High Quality
Strong Insurance

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ANM390-420PERC NEW-TEC

Photovoltaic Modules

High-efficiency P-series

Module		ANM390-420PERC						
Encapsulation		Glass/EVA/Cell/EVA/Backsheet						
Size and Number of cells		156*mm*156mm 72/6*12pcs						
Maximum Power Pmax	W	390	395	400	405	410	415	420
Maximum Power Voltage (Vmp)	V	37.10	37.50	37.90	38.30	38.70	39.10	39.50
Maximum Power Current (Imp)	A	10.51	10.53	10.55	10.57	10.59	10.61	10.63
Open Circuit Voltage (Voc)	V	44.52	45.00	45.48	45.96	46.44	46.92	47.40
Short Circuit Current (Isc)	A	11.04	11.06	11.08	11.10	11.12	11.14	11.16
Cell Efficiency	%	19.50	19.92	20.40	20.80	21.25	21.65	22.00
Module Efficiency	%	18.98	19.22	19.46	19.71	19.95	20.19	20.44
Tolerance		0+3%						
Max System Open Circuit Voltage		1500V						
Max Series Fuse Rating		15A						
Junction Box（protection degree）		≥IP67						
Dimension		1942*1069*40mm						
Weight		24.0kg						
Operate Temperature Scope		-40/+85℃						
Relative Humidity		0~100%						
Frame Thinkness		40/45/50mm						
Frame Colour		Gold/Brown/Black/Silver						

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1,5; module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.045%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.292%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.408%/℃

Output

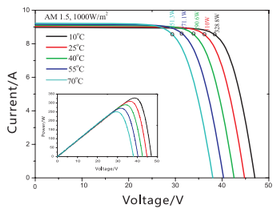
Cable 4.0mm²(TUV) Length 900/1200mm Connector MC4 type

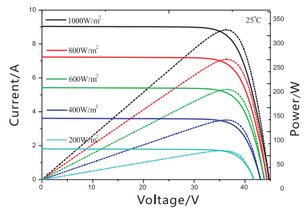
Advantage

AN series modules consist of **mono-crystalline** high efficient silicon cells,which are individually characterized and electronically matched before interconnection and laminated with toughened glass,EVA&Backsheet of high quality.

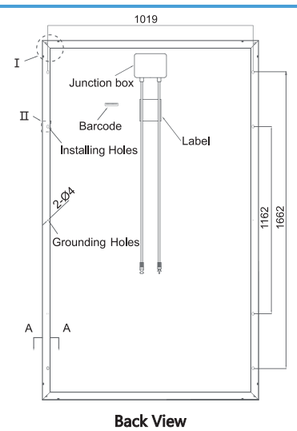
After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, **AN** solar modules can be installed easily and work for a long period. At the same time,they can withstand the storm,strong wind and hail impact,etc.

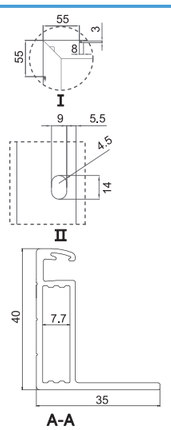
I-V Curves

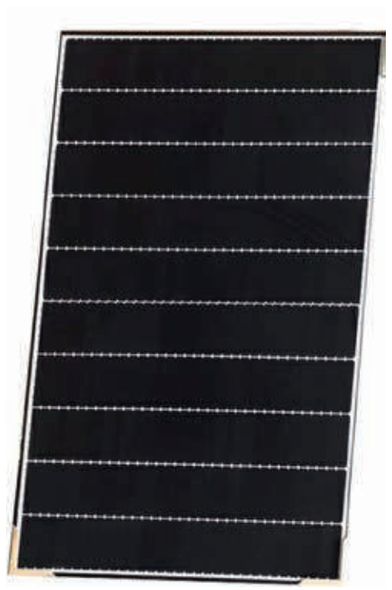




Dimensions







ANHM360-390W(72) NEW-TEC

Photovoltaic Modules

Half Cells

Module		ANHM360-390W(72)			
Encapsulation		Glass/EVA/Cell/EVA/Backsheet			
Size and Number of cells		156*mm*156mm 72/6*12pcs			
Maximum Power Pmax	W	360	370	380	390
Maximum Power Voltage (Vmp)	V	39.10	39.50	39.90	40.30
Maximum Power Current (Imp)	A	9.21	9.37	9.52	9.68
Open Circuit Voltage (Voc)	V	46.92	47.40	47.88	48.36
Short Circuit Current (Isc)	A	9.67	9.84	10.00	10.16
Cell Efficiency	%	19.40	19.82	20.24	20.68
Module Efficiency	%	18.33	18.84	19.35	19.86
Tolerance		0+3%			
Max System Open Circuit Voltage		1500V			
Max Series Fuse Rating		15A			
Junction Box（protection degree）		≥IP67			
Dimension		2000*992*40mm			
Weight		22 kg			
Operate Temperature Scope		-40/+85℃			
Relative Humidity		0~100%			
Frame Thinkness		40/45/50mm			
Frame Colour		Gold/Brown/Black/Silver			

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1,5; module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.059%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.330%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.410%/℃

Output

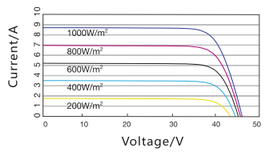
Cable 4.0mm²(TUV) Length 900/1200mm Connector MC4 type

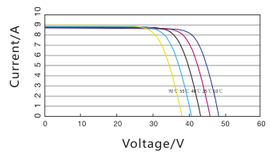
Advantage

AN series modules consist of **mono-crystalline** high efficient silicon cells,which are individually characterized and electronically matched before interconnection and laminated with toughened glass,EVA&Backsheet of high quality.

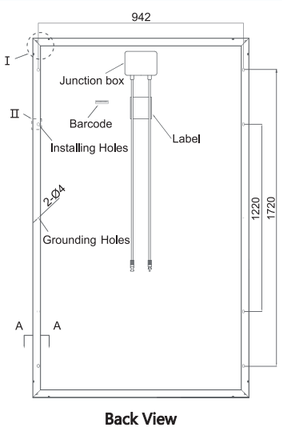
After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, **AN** solar modules can be installed easily and work for a long period. At the same time,they can withstand the storm,strong wind and hail impact,etc.

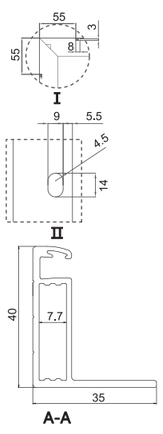
I-V Curves

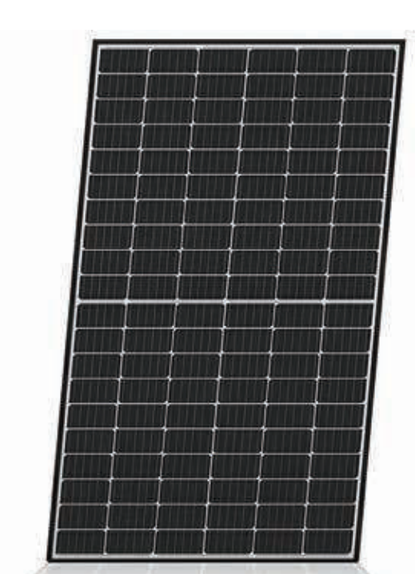




Dimensions







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ANDM350-380W(72) NEW-TEC Double Glass

Photovoltaic Modules

Module	ANDM350-380W(72)							
Encapsulation	Glass/EVA/Cell/EVA/Backsheet							
Size and Number of cells	156*mm*156mm 72/6*12pcs							
Maximum Power Pmax	W	350	355	360	365	370	375	380
Maximum Power Voltage (Vmp)	V	39.10	39.50	39.90	40.30	40.70	41.10	41.50
Maximum Power Current (Imp)	A	8.95	8.99	9.02	9.06	9.09	9.12	9.16
Open Circuit Voltage (Voc)	V	46.92	47.40	47.88	48.36	48.84	49.32	49.80
Short Circuit Current (Isc)	A	9.40	9.44	9.47	9.51	9.55	9.58	9.61
Cell Efficiency	%	19.40	19.82	20.24	20.68	21.00	21.41	21.76
Module Efficiency	%	17.16	17.40	17.65	17.89	18.14	18.38	18.63
Tolerance	0+3%							
Max System Open Circuit Voltage	1500V							
Max Series Fuse Rating	15A							
Junction Box（protection degree）	≥IP67							
Dimension	2020*1020*40mm							
Weight	28kg							
Operate Temperature Scope	-40/+85℃							
Relative Humidity	0~100%							
Frame Thinkness	40/45/50mm							
Frame Colour	Gold/Brown/Black/Silver							

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1,5; module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.059%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.330%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.410%/℃

Output

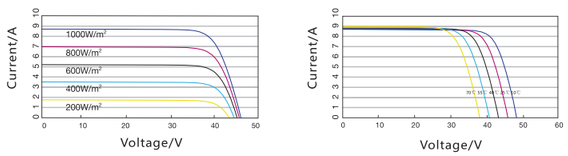
Cable 4.0mm²(TUV)	Length 900/1200mm	Connector MC4 type

Advantage

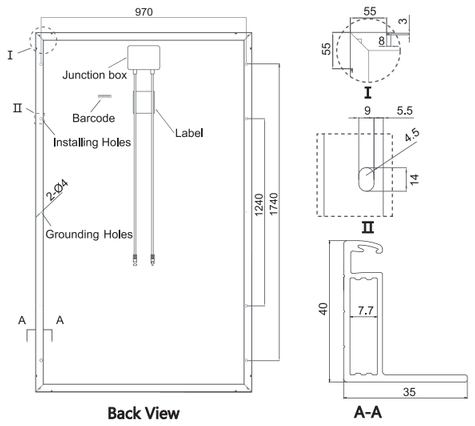
AN series modules consist of **mono-crystalline** high efficient silicon cells,which are individually characterized and electronically matched before interconnection and laminated with toughened glass,EVA&Backsheet of high quality.

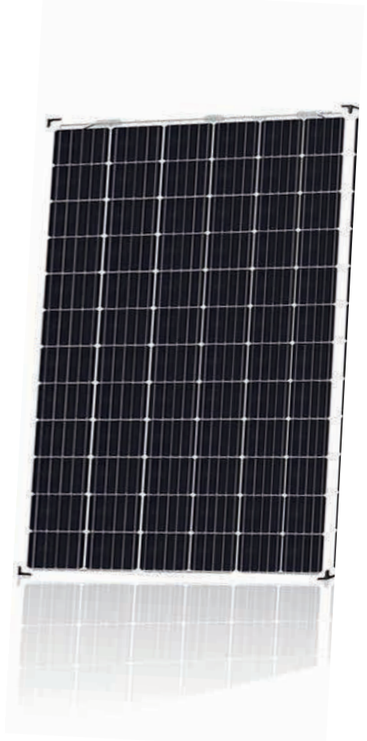
After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, **AN** solar modules can be installed easily and work for a long period. At the same time,they can withstand the storm,strong wind and hail impact,etc.

I-V Curves



Dimensions





ANM450-500W(96) NEW-TEC

Photovoltaic Modules

Module	ANM450-500W(96)						
Encapsulation	Glass/EVA/Cell/EVA/Backsheet						
Size and Number of cells	156*mm*156mm 96/8*12pcs						
Maximum Power Pmax	W	450	460	470	480	490	500
Maximum Power Voltage (Vmp)	V	48.10	48.30	48.10	48.30	48.50	48.70
Maximum Power Current (Imp)	A	9.36	9.52	9.77	9.94	10.10	10.27
Open Circuit Voltage (Voc)	V	57.72	57.96	57.72	57.96	58.20	58.44
Short Circuit Current (Isc)	A	9.82	10.00	10.26	10.43	10.61	10.78
Cell Efficiency	%	18.88	19.26	19.80	20.22	20.64	21.12
Module Efficiency	%	17.74	18.13	18.53	18.92	19.32	19.71
Tolerance	0+3%						
Max System Open Circuit Voltage	1500V						
Max Series Fuse Rating	15A						
Junction Box（protection degree）	≥IP67						
Dimension	1956*1310*40mm						
Weight	27.5kg						
Operate Temperature Scope	-40/+85℃						
Relative Humidity	0~100%						
Frame Thinkness	40/45/50mm						
Frame Colour	Gold/Brown/Black/Silver						

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1,5; module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.059%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.330%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.410%/℃

Output

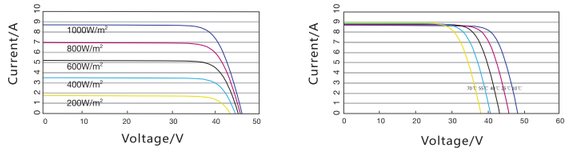
Cable 4.0mm²(TUV)	Length 900/1200mm	Connector MC4 type

Advantage

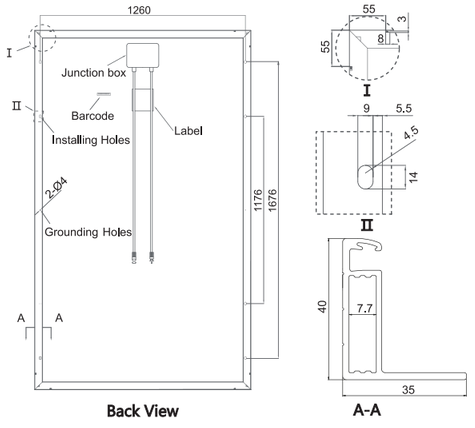
AN series modules consist of **mono-crystalline** high efficient silicon cells,which are individually characterized and electronically matched before interconnection and laminated with toughened glass,EVA&Backsheet of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, **AN** solar modules can be installed easily and work for a long period. At the same time,they can withstand the storm,strong wind and hail impact,etc.

I-V Curves



Dimensions





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ANM310-380W(72)

Photovoltaic Modules

Module	ANM310-380W(72)								
Encapsulation	Glass/EVA/Cell/EVA/Backsheet								
Size and Number of cells	156*mm*156mm 72/6*12pcs								
Maximum Power Pmax	W	310	320	330	340	350	360	370	380
Maximum Power Voltage (Vmp)	V	37.50	38.10	38.40	38.60	38.80	39.10	39.30	39.50
Maximum Power Current (Imp)	A	8.27	8.40	8.59	8.81	9.02	9.21	9.41	9.62
Open Circuit Voltage (Voc)	V	45.00	45.72	46.08	46.32	46.56	46.92	47.16	47.40
Short Circuit Current (Isc)	A	8.68	8.82	9.02	9.25	9.47	9.67	9.89	10.10
Cell Efficiency	%	18.40	18.76	19.10	19.50	19.80	20.10	20.48	20.80
Module Efficiency	%	16.14	16.66	17.18	17.70	18.22	18.74	19.26	19.78
Tolerance	0+3%								
Max System Open Circuit Voltage	1500V								
Max Series Fuse Rating	15A								
Junction Box（protection degree）	≥IP67								
Dimension	1956*992*40mm								
Weight	20.3 kg								
Operate Temperature Scope	-40/+85℃								
Relative Humidity	0~100%								
Frame Thinkness	40/45/50mm								
Frame Colour	Gold/Brown/Black/Silver								

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1,5; module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

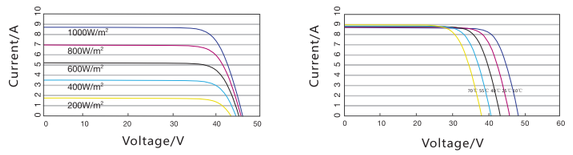
Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.059%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.330%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.410%/℃

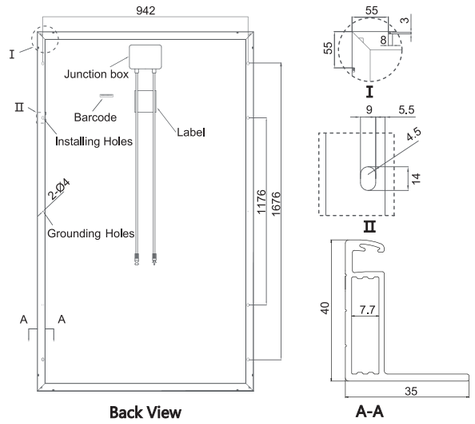
Output

Cable 4.0mm²(TUV)	Length 900/1200mm	Connector MC4 type

I-V Curves



Dimensions



Advantage

AN series modules consist of **mono-crystalline** high efficient silicon cells,which are individually characterized and electronically matched before interconnection and laminated with toughened glass,EVA&Backsheet of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, **AN** solar modules can be installed easily and work for a long period. At the same time,they can withstand the storm,strong wind and hail impact,etc.



ANP310-350W(72)

Photovoltaic Modules

Module	ANP310-350W(72)						
Encapsulation	Glass/EVA/Cell/EVA/Backsheet						
Size and Number of cells	156*mm*156mm 72/6*12pcs						
Maximum Power Pmax	W	310	320	325	330	340	350
Maximum Power Voltage (Vmp)	V	37.00	37.50	37.90	38.20	38.50	38.90
Maximum Power Current (Imp)	A	8.38	8.53	8.58	8.64	8.83	9.00
Open Circuit Voltage (Voc)	V	44.40	45.00	45.48	45.84	46.20	46.68
Short Circuit Current (Isc)	A	8.80	8.96	9.00	9.07	9.27	9.45
Cell Efficiency	%	18.10	18.72	19.20	19.90	20.80	21.60
Module Efficiency	%	15.98	16.49	16.75	17.01	17.52	18.04
Tolerance	0+3%						
Max System Open Circuit Voltage	1500V						
Max Series Fuse Rating	15A						
Junction Box（protection degree）	≥IP67						
Dimension	1956*992*40mm						
Weight	20.3 kg						
Operate Temperature Scope	-40/+85℃						
Relative Humidity	0~100%						
Frame Thinkness	40/45/50mm						
Frame Colour	Gold/Brown/Black/Silver						

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1,5; module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

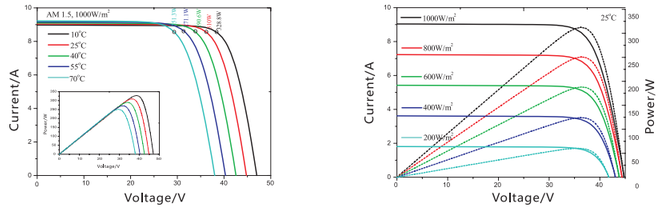
Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.045%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.292%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.408%/℃

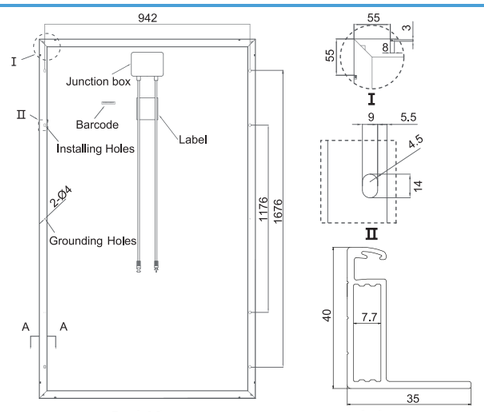
Output

Cable 4.0mm²(TUV)	Length 900/1200mm	Connector MC4 type

I-V Curves



Dimensions



Advantage

AN series modules consist of **poly-crystalline** high efficient silicon cells,which are individually characterized and electronically matched before interconnection and laminated with toughened glass,EVA&Backsheet of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, **AN** solar modules can be installed easily and work for a long period. At the same time,they can withstand the storm,strong wind and hail impact,etc.



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ANM270-310W(60)

Photovoltaic Modules

Module		ANM270-310W(60)							
Encapsulation		Glass/EVA/Cell/EVA/Backsheet							
Size and Number of cells		156*mm*156mm 60/6*10pcs							
Maximum Power Pmax	W	270	280	285	290	295	300	305	310
Maximum Power Voltage (Vmp)	V	31.20	31.50	31.80	32.10	32.30	32.50	32.70	33.70
Maximum Power Current (Imp)	A	8.65	8.89	8.96	9.03	9.13	9.23	9.48	9.20
Open Circuit Voltage (Voc)	V	37.44	37.80	38.16	38.52	38.76	39.00	39.24	40.44
Short Circuit Current (Isc)	A	9.09	9.33	9.41	9.49	9.59	9.70	9.96	9.66
Cell Efficiency	%	18.40	18.66	19.08	19.56	19.88	20.12	20.82	21.20
Module Efficiency	%	16.76	17.38	17.70	18.01	18.32	18.63	18.94	19.25
Tolerance		0+3%							
Max System Open Circuit Voltage		1500V							
Max Series Fuse Rating		15A							
Junction Box（protection degree）		≥IP67							
Dimension		1640*992*35mm							
Weight		17.5kg							
Operate Temperature Scope		-40/+85℃							
Relative Humidity		0~100%							
Frame Thinkness		35/40 mm							
Frame Colour		Gold/Brown/Black/Silver							

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1,5; module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.059%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.330%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.410%/℃

Output

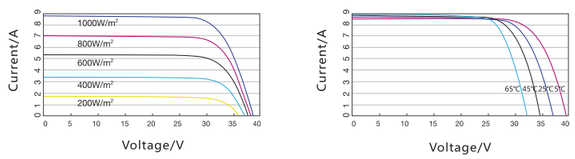
Cable 4.0mm²(TUV) Length 900mm Connector MC4 type

Advantage

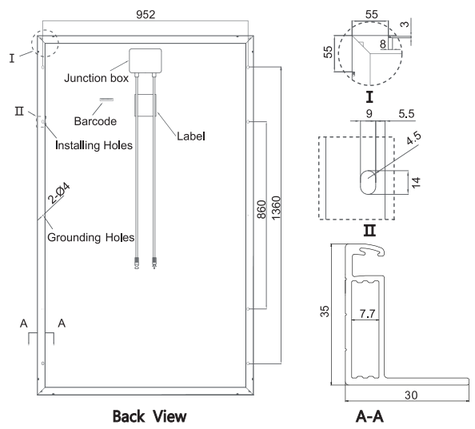
AN series modules consist of **mono-crystalline** high efficient silicon cells,which are individually characterized and electronically matched before interconnection and laminated with toughened glass,EVA&Backsheet of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, **AN** solar modules can be installed easily and work for a long period. At the same time,they can withstand the storm,strong wind and hail impact,etc.

I-V Curves



Dimensions





ANP260-290W(60)

Photovoltaic Modules

Module		ANP260-290W(60)					
Encapsulation		Glass/EVA/Cell/EVA/Backsheet					
Size and Number of cells		156*mm*156mm 60/6*10pcs					
Maximum Power Pmax	W	260	270	275	280	290	300
Maximum Power Voltage (Vmp)	V	31.20	31.50	31.80	32.10	32.30	32.35
Maximum Power Current (Imp)	A	8.33	8.57	8.65	8.72	8.98	9.23
Open Circuit Voltage (Voc)	V	37.44	37.80	38.16	38.52	38.76	39.00
Short Circuit Current (Isc)	A	8.75	9.00	9.08	9.16	9.43	9.69
Cell Efficiency	%	18.40	18.88	19.21	19.60	20.02	20.44
Module Efficiency	%	15.98	16.60	16.90	17.21	17.83	18.48
Tolerance		0+3%					
Max System Open Circuit Voltage		1500V					
Max Series Fuse Rating		15A					
Junction Box（protection degree）		≥IP67					
Dimension		1640*992*35mm					
Weight		17.5kg					
Operate Temperature Scope		-40/+85℃					
Relative Humidity		0~100%					
Frame Thinkness		35/40mm					
Frame Colour		Gold/Brown/Black/Silver					

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1,5; module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.045%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.292%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.408%/℃

Output

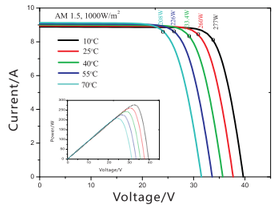
Cable 4.0mm²(TUV) Length 900mm Connector MC4 type

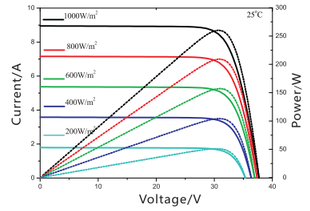
Advantage

AN series modules consist of **poly-crystalline** high efficient silicon cells,which are individually characterized and electronically matched before interconnection and laminated with toughened glass,EVA&Backsheet of high quality.

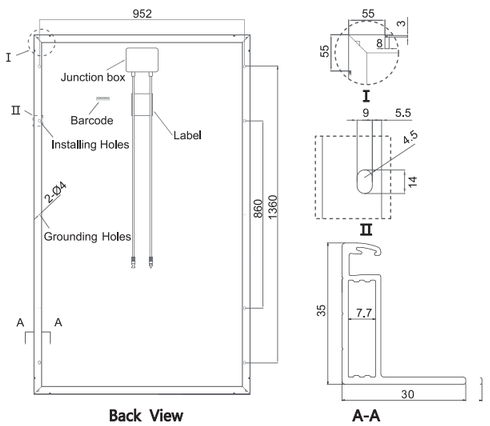
After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, **AN** solar modules can be installed easily and work for a long period. At the same time,they can withstand the storm,strong wind and hail impact,etc.

I-V Curves





Dimensions





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ANM200-240W(48)

Photovoltaic Modules

Module		ANM200-240W(48)				
Encapsulation		Glass/EVA/Cell/EVA/Backsheet				
Maximum Power Pmax	W	200	210	220	230	240
Maximum Power Voltage (Vmp)	V	24.50	24.70	24.90	25.10	25.30
Maximum Power Current (Imp)	A	8.16	8.50	8.84	9.16	9.49
Open Circuit Voltage (Voc)	V	29.40	29.64	29.88	30.12	30.36
Short Circuit Current (Isc)	A	8.57	8.93	9.28	9.62	9.96
Cell Efficiency	%	18.30	18.60	19.12	19.60	19.98
Module Efficiency	%	15.31	16.08	16.84	17.61	18.37
Tolerance		0+3%				
Max System Open Circuit Voltage		1000V				
Junction Box（protection degree）		≥IP67				
Dimension		1330*992*35mm				
Weight		13.8kg				
Operate Temperature Scope		-40/+85℃				
Relative Humidity		0~100%				
Frame Thinkness		35/40mm				
Frame Colour		Gold/Brown/Black/Silver				

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1,5; module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.059%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.330%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.410%/℃

Output

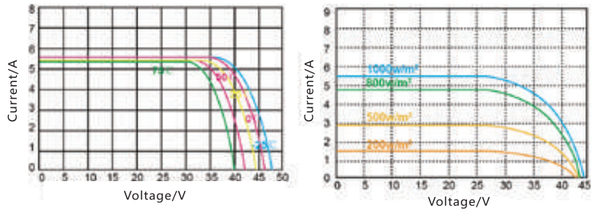
Cable 4.0mm²(TUV) Length 900mm Connector MC4 type

Advantage

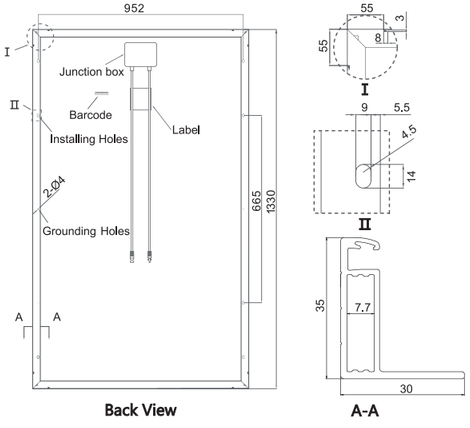
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After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, **AN** solar modules can be installed easily and work for a long period. At the same time,they can withstand the storm,strong wind and hail impact,etc.

I-V Curves



Dimensions





ANP200-230W(48)

Photovoltaic Modules

Module		ANP200-230W(48)			
Encapsulation		Glass/EVA/Cell/EVA/Backsheet			
Maximum Power Pmax	W	200	210	220	230
Maximum Power Voltage (Vmp)	V	24.50	24.70	24.90	25.10
Maximum Power Current (Imp)	A	8.16	8.50	8.84	9.16
Open Circuit Voltage (Voc)	V	29.40	29.64	29.88	30.12
Short Circuit Current (Isc)	A	8.57	8.93	9.28	9.62
Cell Efficiency	%	17.80	18.24	18.66	19.20
Module Efficiency	%	15.16	15.92	16.67	17.43
Tolerance		0+3%			
Max System Open Circuit Voltage		1000V			
Junction Box（protection degree）		≥IP67			
Dimension		1330*992*35mm			
Weight		13.8kg			
Operate Temperature Scope		-40/+85℃			
Relative Humidity		0~100%			
Frame Thinkness		35/40mm			
Frame Colour		Gold/Brown/Black/Silver			

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1,5; module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.045%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.292%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.408%/℃

Output

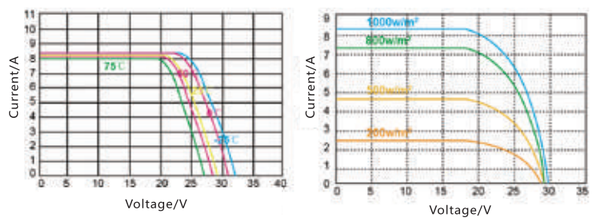
Cable 4.0mm²(TUV) Length 900mm Connector MC4 type

Advantage

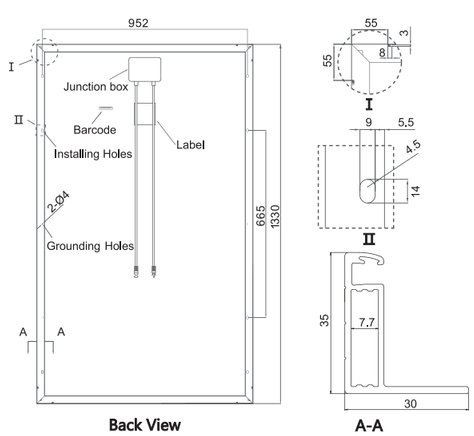
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I-V Curves



Dimensions





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ANM150-180W(36)

Photovoltaic Modules

Module	ANM150-180W(36)				
Encapsulation	Glass/EVA/Cell/EVA/Backsheet				
Maximum Power Pmax	W	150	160	170	180
Maximum Power Voltage (Vmp)	V	18.50	18.70	18.85	18.95
Maximum Power Current (Imp)	A	8.11	8.56	9.02	9.50
Open Circuit Voltage (Voc)	V	22.20	22.44	22.62	22.74
Short Circuit Current (Isc)	A	8.52	8.98	9.47	9.98
Cell Efficiency	%	17.78	18.30	18.68	19.18
Module Efficiency	%	15.07	16.06	17.06	18.08
Tolerance	0+3%				
Max System Open Circuit Voltage	600V				
Junction Box（protection degree）	≥IP67				
Dimension	1480*680*35mm				
Weight	10.6kg				
Operate Temperature Scope	-40/+85℃				
Relative Humidity	0~100%				
Frame Thinkness	35mm				
Frame Colour	Gold/Brown/Black/Silver				

Standard Test Conditions[STC]: irradiance 1,000 W/m²； AM 1,5； module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.059%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.330%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.410%/℃

Output

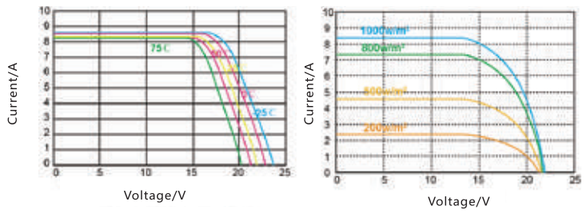
Cable 4.0mm²(TUV) Length 900mm Connector MC4 type

Advantage

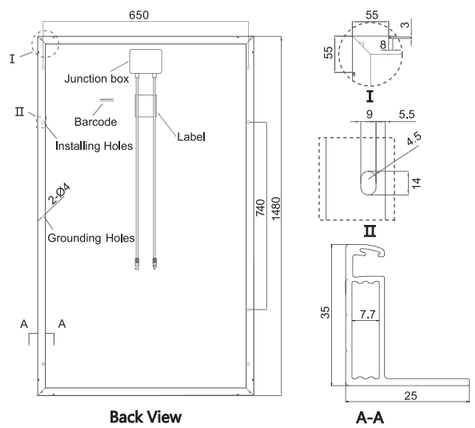
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After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, **AN** solar modules can be installed easily and work for a long period. At the same time,they can withstand the storm,strong wind and hail impact,etc.

I-V Curves



Dimensions





ANP140-170W(36)

Photovoltaic Modules

Module	ANP140-170W(36)				
Encapsulation	Glass/EVA/Cell/EVA/Backsheet				
Maximum Power Pmax	W	140	150	160	170
Maximum Power Voltage (Vmp)	V	18.50	18.70	18.85	18.95
Maximum Power Current (Imp)	A	7.57	8.02	8.49	8.97
Open Circuit Voltage (Voc)	V	22.20	22.44	22.62	22.74
Short Circuit Current (Isc)	A	7.95	8.42	8.91	9.42
Cell Efficiency	%	15.08	15.68	17.20	17.88
Module Efficiency	%	13.91	14.90	15.90	16.89
Tolerance	0+3%				
Max System Open Circuit Voltage	600V				
Junction Box（protection degree）	≥IP67				
Dimension	1480*680*35mm				
Weight	10.5kg				
Operate Temperature Scope	-40/+85℃				
Relative Humidity	0~100%				
Frame Thinkness	35mm				
Frame Colour	Gold/Brown/Black/Silver				

Standard Test Conditions[STC]: irradiance 1,000 W/m²； AM 1,5； module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.045%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.292%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.408%/℃

Output

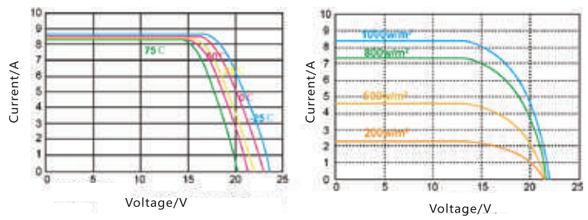
Cable 4.0mm²(TUV) Length 900mm Connector MC4 type

Advantage

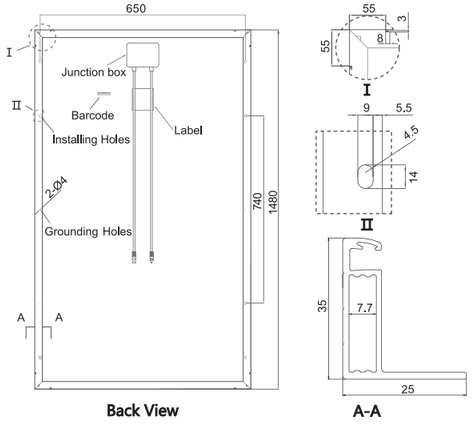
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I-V Curves



Dimensions





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ANM110-140W(36)

Photovoltaic Modules

Module	ANM110-140W(36)			
Encapsulation	Glass/EVA/Cell/EVA/Backsheet			
Maximum Power Pmax	W	110	120	130	140
Maximum Power Voltage (Vmp)	V	18.50	18.70	18.50	18.70
Maximum Power Current (Imp)	A	5.95	6.42	7.03	7.49
Open Circuit Voltage (Voc)	V	22.20	22.44	22.20	22.44
Short Circuit Current (Isc)	A	6.24	6.74	7.38	7.86
Cell Efficiency	%	17.20	17.62	18.02	18.48
Module Efficiency	%	16.02	17.49	17.09	18.40
Tolerance	0+3%		0+3%	
Max System Open Circuit Voltage	600V		600V	
Junction Box（protection degree）	≥IP67		≥IP67	
Dimension	1020*680*35mm		1130*680*35mm	
Weight	8kg		8.5kg	
Operate Temperature Scope	-40/+85℃		-40/+85℃	
Relative Humidity	0~100%		0~100%	
Frame Thinkness	35mm		35mm	
Frame Colour	Gold/Brown/Black/Silver		Gold/Brown/Black/Silver	

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1,5; module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.059%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.330%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.410%/℃

Output

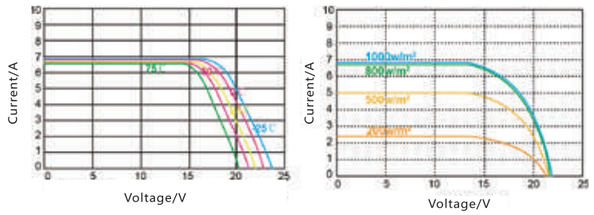
Cable 4.0mm²(TUV) Length 900mm Connector MC4 type

Advantage

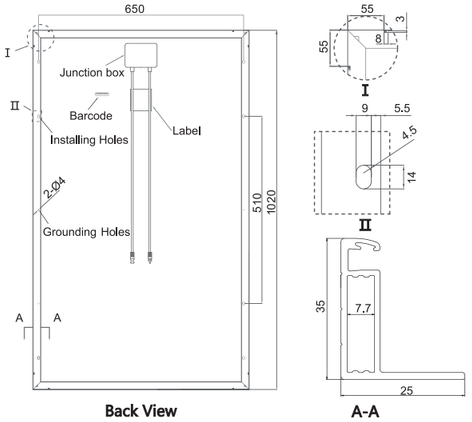
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After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, **AN** solar modules can be installed easily and work for a long period. At the same time,they can withstand the storm,strong wind and hail impact,etc.

I-V Curves



Dimensions





ANP100-130W(36)

Photovoltaic Modules

Module	ANP100-130W(36)					
Encapsulation	Glass/EVA/Cell/EVA/Backsheet					
Maximum Power Pmax	W	100	110	115	120	130
Maximum Power Voltage (Vmp)	V	18.90	18.50	18.70	18.50	18.70
Maximum Power Current (Imp)	A	5.30	5.95	6.15	6.49	6.95
Open Circuit Voltage (Voc)	V	22.68	22.20	22.44	22.20	22.44
Short Circuit Current (Isc)	A	5.56	6.24	6.46	6.81	7.30
Cell Efficiency	%	16.12	16.35	16.90	17.35	17.62
Module Efficiency	%	14.43	15.86	16.58	15.62	16.92
Tolerance	0+3%				0+3%	
Max System Open Circuit Voltage	600V				600V	
Junction Box（protection degree）	≥IP67				≥IP67	
Dimension	1020*680*35mm				1130*680*35mm	
Weight	7.5kg				8.5kg	
Operate Temperature Scope	-40/+85℃				-40/+85℃	
Relative Humidity	0~100%				0~100%	
Frame Thinkness	35mm				35mm	
Frame Colour	Gold/Brown/Black/Silver				Gold/Brown/Black/Silver	

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1,5; module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.045%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.292%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.408%/℃

Output

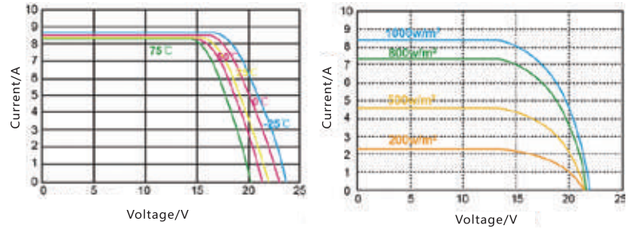
Cable 4.0mm²(TUV) Length 900mm Connector MC4 type

Advantage

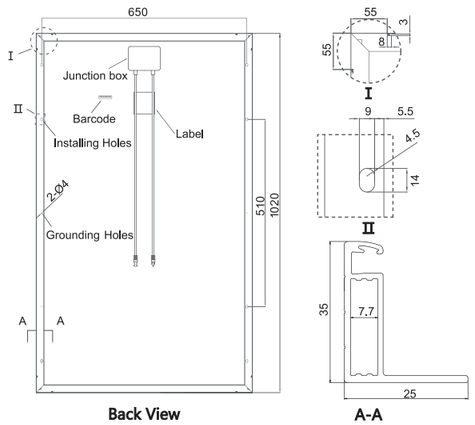
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I-V Curves



Dimensions





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ANM60-100W(36)

Photovoltaic Modules

Module	ANM60-100W(36)					
Encapsulation	Glass/EVA/Cell/EVA/Backsheet					
Maximum Power Pmax	W	60	80	90	95	100
Maximum Power Voltage (Vmp)	V	18.50	18.50	18.70	18.80	18.90
Maximum Power Current (Imp)	A	3.25	4.33	4.82	5.06	5.30
Open Circuit Voltage (Voc)	V	22.20	22.20	22.44	22.56	22.68
Short Circuit Current (Isc)	A	3.41	4.55	5.06	5.31	5.56
Cell Efficiency	%	16.18	16.48	16.90	17.20	17.80
Module Efficiency	%	14.40	14.83	16.69	17.61	18.54
Tolerance	0+3%		0+3%			
Max System Open Circuit Voltage	600V		600V			
Junction Box（protection degree）	≥IP67		≥IP67			
Dimension	680*620*25mm		1010*540*25mm			
Weight	6kg		6.5kg			
Operate Temperature Scope	-40/+85℃		-40/+85℃			
Relative Humidity	0~100%		0~100%			
Frame Thinkness	25mm		25mm			
Frame Colour	Gold/Brown/Black/Silver		Gold/Brown/Black/Silver			

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1,5; module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.059%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.330%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.410%/℃

Output

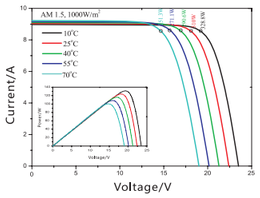
Cable 4.0mm²(TUV) Length 900mm Connector MC4 type

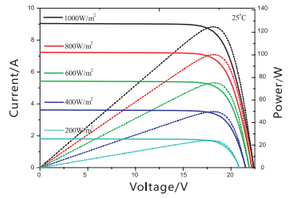
Advantage

AN series modules consist of **mono-crystalline** high efficient silicon cells,which are individually characterized and electronically matched before interconnection and laminated with toughened glass,EVA&Backsheet of high quality.

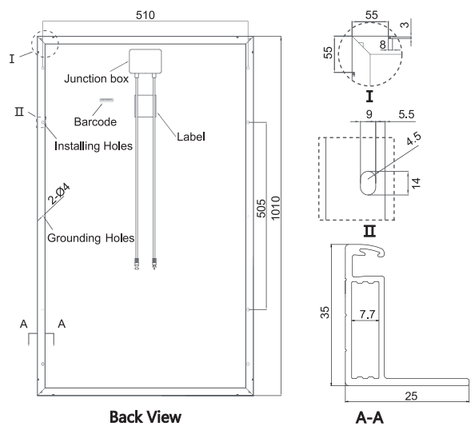
After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, **AN** solar modules can be installed easily and work for a long period. At the same time,they can withstand the storm,strong wind and hail impact,etc.

I-V Curves





Dimensions





ANP50-95W(36)

Photovoltaic Modules

Module	ANP50-95W(36)					
Encapsulation	Glass/EVA/Cell/EVA/Backsheet					
Maximum Power Pmax	W	50	60	80	90	95
Maximum Power Voltage (Vmp)	V	18.50	18.50	18.50	18.70	18.80
Maximum Power Current (Imp)	A	2.71	3.25	4.33	4.82	5.06
Open Circuit Voltage (Voc)	V	22.20	22.20	22.20	22.44	22.56
Short Circuit Current (Isc)	A	2.84	3.41	4.55	5.06	5.31
Cell Efficiency	%	15.18	15.88	16.40	17.00	17.80
Module Efficiency	%	13.74	14.26	14.69	16.52	17.44
Tolerance	0+3%					
Max System Open Circuit Voltage	600V					
Junction Box（protection degree）	≥IP67					
Dimension	540*675*25mm		680*620*25mm	1010*540*25mm		
Weight	3.5kg		6kg	6.5kg		
Operate Temperature Scope	-40/+85℃					
Relative Humidity	0~100%					
Frame Thinkness	25mm					
Frame Colour	Gold/Brown/Black/Silver					

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1,5; module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.045%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.292%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.408%/℃

Output

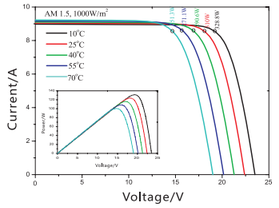
Cable 4.0mm²(TUV) Length 900mm Connector MC4 type

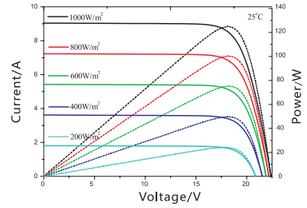
Advantage

AN series modules consist of **poly-crystalline** high efficient silicon cells,which are individually characterized and electronically matched before interconnection and laminated with toughened glass,EVA&Backsheet of high quality.

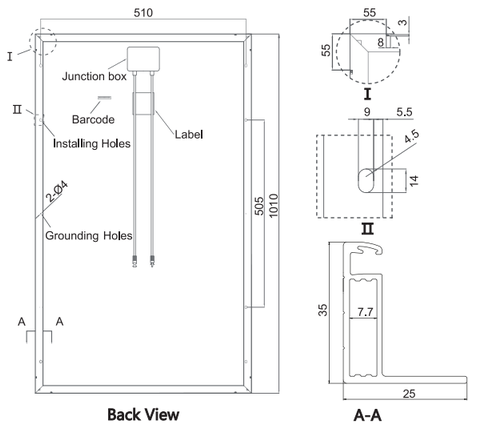
After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, **AN** solar modules can be installed easily and work for a long period. At the same time,they can withstand the storm,strong wind and hail impact,etc.

I-V Curves





Dimensions





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ANM5-50W(36)

Photovoltaic Modules

Module	ANM5-50W(36)						
Encapsulation	Glass/EVA/Cell/EVA/Backsheet						
Maximum Power Pmax	W	5	10	20	30	40	50
Maximum Power Voltage (Vmp)	V	18.50	18.50	18.50	18.50	18.50	18.50
Maximum Power Current (Imp)	A	0.27	0.54	1.09	1.62	2.16	2.71
Open Circuit Voltage (Voc)	V	22.20	22.20	22.20	22.20	22.20	22.20
Short Circuit Current (Isc)	A	0.28	0.57	1.14	1.70	2.27	2.84
Cell Efficiency	%	10.20	11.80	12.90	13.30	13.90	15.00
Module Efficiency	%	8.81	10.94	12.89	12.92	13.01	13.88
Tolerance	0+3%						
Max System Open Circuit Voltage	600V						
Junction Box（protection degree）	≥IP67						
Dimension	185*310*17mm		355*260*17mm	350*450*17mm	350*670*25mm	460*675*25mm	540*675*25mm
Weight	0.8kg		1.0kg	2.0kg	3.0kg	3.2kg	3.5kg
Operate Temperature Scope	-40/+85℃						
Relative Humidity	0~100%						
Frame Thinkness	17mm、25mm						
Frame Colour	Gold/Brown/Black/Silver						

Standard Test Conditions[STC]: irradiance 1,000 W/m²； AM 1,5； module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.10 %/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.38 %/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.47 %/℃

Output

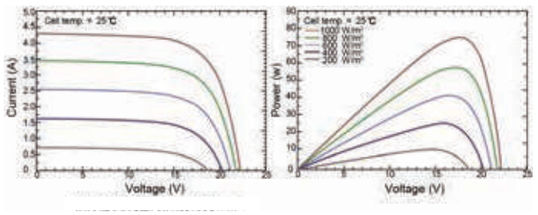
Cable 2.5mm²(TUV) Length 900mm Connector MC4 type

Advantage

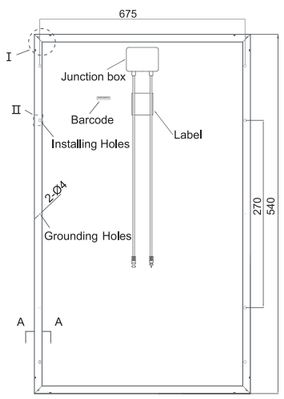
AN series modules consist of **mono-crystalline** high efficient silicon cells,which are individually characterized and electronically matched before interconnection and laminated with toughened glass,EVA&Backsheet of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, **AN** solar modules can be installed easily and work for a long period. At the same time,they can withstand the storm,strong wind and hail impact,etc.

I-V Curves



Dimensions



Back View



ANP5-40W(36)

Photovoltaic Modules

Module	ANP5-40W(36)					
Encapsulation	Glass/EVA/Cell/EVA/Backsheet					
Maximum Power Pmax	W	5	10	20	30	40
Maximum Power Voltage (Vmp)	V	18.50	18.50	18.50	18.50	18.50
Maximum Power Current (Imp)	A	0.27	0.54	1.09	1.62	2.16
Open Circuit Voltage (Voc)	V	22.20	22.20	22.20	22.20	22.20
Short Circuit Current (Isc)	A	0.28	0.57	1.14	1.70	2.27
Cell Efficiency	%	11.20	12.00	13.22	14.03	14.80
Module Efficiency	%	8.72	10.83	12.76	12.79	12.88
Tolerance	0+3%					
Max System Open Circuit Voltage	600V					
Junction Box（protection degree）	≥IP67					
Dimension	185*310*17mm		355*260*17mm	350*450*17mm	350*670*25mm	460*675*25mm
Weight	0.8kg		1.0kg	2.0kg	3.0kg	3.2kg
Operate Temperature Scope	-40/+85℃					
Relative Humidity	0~100%					
Frame Thinkness	17mm、25mm					
Frame Colour	Gold/Brown/Black/Silver					

Standard Test Conditions[STC]: irradiance 1,000 W/m²； AM 1,5； module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.10 %/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.38 %/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.47 %/℃

Output

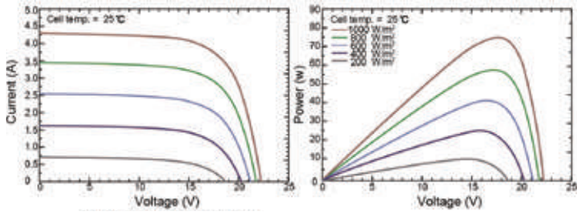
Cable 2.5mm²(TUV) Length 900mm Connector MC4 type

Advantage

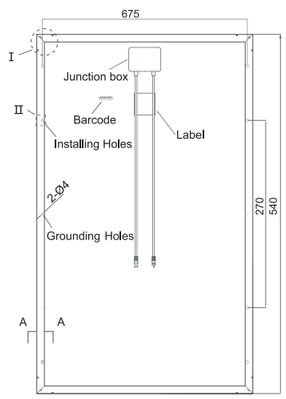
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I-V Curves



Dimensions



Back View



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Folding Module

Photovoltaic Modules

Folding Module	ANM-2F/3F							
Encapsulation	Glass/EVA/Cell/EVA/Backsheet							
Maximum Power Pmax	W	100	120	140	180	200	240	210	270
Maximum Power Voltage (Vmp)	V	18.80	18.50	14.50	18.50	18.50	18.50	18.50	18.50
Maximum Power Current (Imp)	A	5.32	6.49	9.66	9.73	10.81	12.97	11.35	14.59
Open Circuit Voltage (Voc)	V	22.56	22.20	17.40	22.20	22.20	22.20	22.20	22.20
Short Circuit Current (Isc)	A	5.59	6.81	10.14	10.22	11.35	13.62	11.92	15.32
Cell Efficiency	%	14.80	17.60	18.20	18.90	20.20	18.88	18.20	19.10
Module Efficiency	%	13.86	16.63	16.90	17.27	19.19	17.48	16.90	17.27
Dimension	mm	1350*540*35mm		1350*620*35mm	1350*780*35mm		1020*1360*35mm	2025*620*35mm	2025*780*35mm
Dimension when folded	mm	675*540*70mm		675*620*70mm	675*780*70mm		1020*680*70mm	675*620*105mm	675*780*105mm
Weight	kg	9.8kg		11.8kg	14.1kg		16.0kg	16.7kg	19.0kg
Qty/Container	20"GP	570		520	480	410	380	350	280
	40"GP	1200		1090	1000	860	800	730	590
	40"HQ	1410		1280	1170	1010	940	860	700
Tolerance	0+3%							
Max System Open Circuit Voltage	1000V							
Junction Box（protection degree）	≥IP67							
Controller	PWM/MPPT							
Operate Temperature Scope	-40/+85℃							
Relative Humidity	0~100%							
Frame Thinkness	70mm、105mm							
Frame Colour	Gold/Brown/Black/Silver							

Description

1、PWM controller×1
2、10 meter cable with Anderson or MC4 connector×1
3、30cm cable of alligator clip with Anderson connector×1
4、Carry bag×1
5、User Manual×1

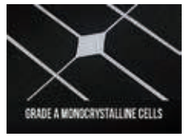
water proof

Application

1、Equipped with handbag ,applicable any time any where Many components can be combined together to save space
2、High efficiency solar PV modules with excellent performance .
3、Provide customer design service



















Flexible Module

Photovoltaic Modules — Lightweight Flexible Module — ANFM-2F-160W Flexible

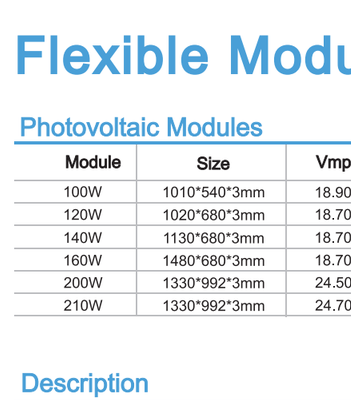
Module	Size	Vmp	Module	Size	Vmp	Module	Size	Vmp
100W	1010*540*3mm	18.90	120W	940*730*3mm	18.50	160W	675*780*70mm	18.50
120W	1020*680*3mm	18.70	160W	1240*730*3mm	18.50	180W	675*780*70mm	18.70
140W	1130*680*3mm	18.70	200W	1540*730*3mm	18.50			
160W	1480*680*3mm	18.70						
200W	1330*992*3mm	24.50						
210W	1330*992*3mm	24.70						

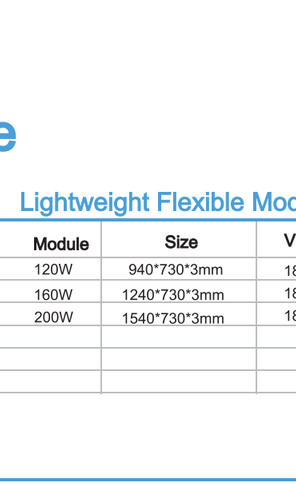
Description

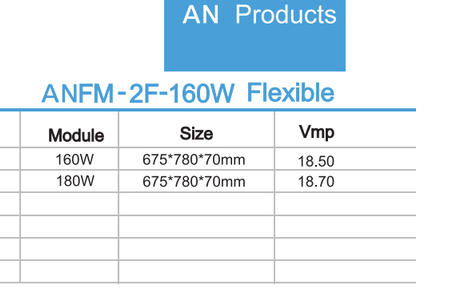
1、Cable
2、MC4 connector
3、Junction Box

Application

Compared with the traditional solar panels,semi flexible panels has the following features:
1、With flexible ,can bend.
2、Light weight,non-friable,easy to transport.
3、Easy to install
4、Waterproof ,perfect to use on yacht ,car ,boat ,tent ,golf-cart ,etc.













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Solar System

Residential



1、Reduce your electricity bills now
- Enjoy immediate payback from subsidies

2、Experience energy independence
- protect your family from rising energy costs

3、Maximize your rooftop
- Our panels are designed to maximize ROI in space-constrained situations.



Commercial

1、Cut your electricity bill and protect your business from rising energy expenses
- Generate revenue from renewable energy subsidies

2、Reduce your carbon footprint
- Fulfill your sustainability objectives

3、Maximize Your Rooftop
- Our panels are designed to maximize ROI in space constrained situations.

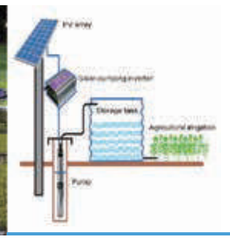
Utility

1、Reliable energy source, reliable investment
-The sun is the world's most abundant energy resource. Solar energy offers predictable daily output that complements peak energy use. Solar power plants offer a clean alternative to traditional power plants and pay for themselves over time.

2、Integrated Solutions For a Lower LCOE you can count on
- AN new energy vertical integration extends downstream to provide project development, financing and balance of systems support for an economically-attractive alternative to fossil fuels.







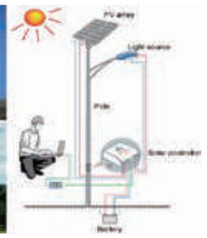
Solar Pump

Solar water pumping system is the popular method for water supply in the district with abundant sunshine all over the world nowadays especially outlying area without electricity or lack of electricity. The system works automatically at sunrise and stops at sunset with solar energy, it doesn't need to be watched and can reduce the amount of maintenance to the lowest. Therefore, it is the ideal green energy system integrated with economics, reliability and environmental benefit.

Solar Street Light

In the field of lighting outside, solar lighting develops fast. Solar lamp, solar landscape lamp and solar lawn lamp have always been seen and become the highlights of green lighting. Besides, solar lighting becomes more and more popular for people from all walks of life.





Project Reference



Munich, Germany
System size: 2.3MW
System type: Rooftop
Date completed: Feb. 2016

London, UK
System size: 1.5MW
System type: Rooftop
Date completed: May, 2016





Bangkok, Thailand
System size: 2.1MW
System type: Ground-mounted
Date completed: Jun. 2016

Matsuyama, Japan
System size: 100KW
System type: Rooftop
Date completed: Jul. 2017





Portuguesa
System size: 8.5KW
System type: Rooftop
Date completed: Aug. 2017

Munich, Germany
System size: 500KW
System type: Rooftop
Date completed: Nov. 2017





Santiago , Chile
System size: 10KW
System type: Rooftop
Date completed: Apr. 2018

Manila, Philippine
System size: 110KW
System type: Rooftop
Date completed: Jun. 2018



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