

Jayuan

Jayuan Solution



Jayuan

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Hangzhou Jayuan Import & Export Co.,Ltd.

Qualiflcation



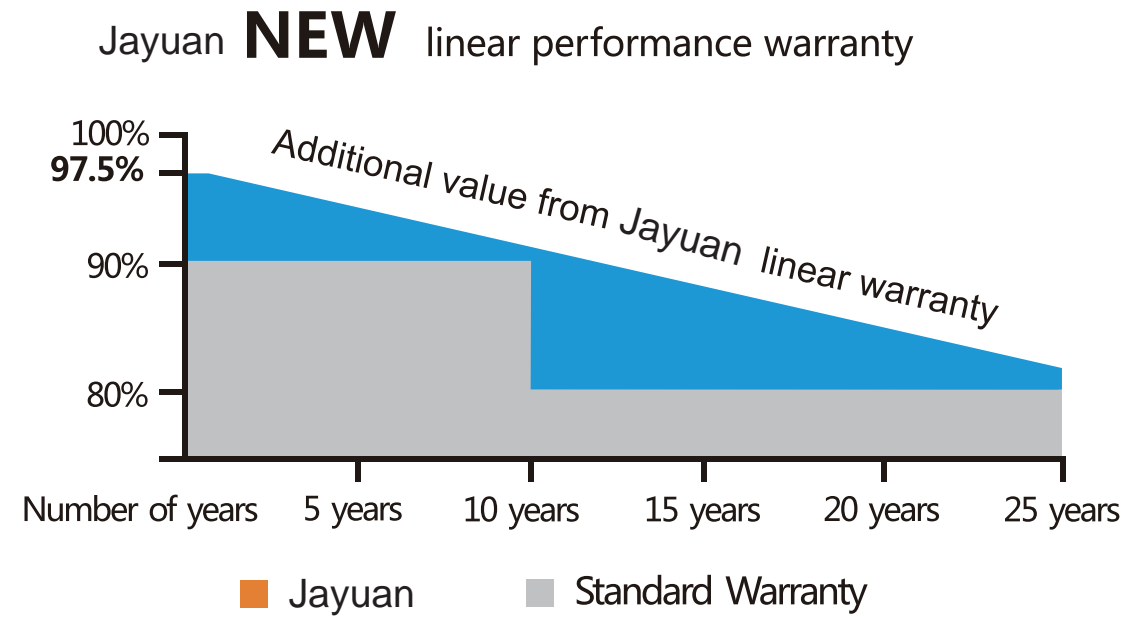
Profile

Hangzhou Jayuan Import & Export Co.,Ltd is located in Zhejiang Province, China. Jayuan is a high-tech, low pollution and green environmental protection enterprise, with local government background and strong capital.

Jayuan is specialized in research, manufacturing and sales of high quality photovoltaic solar modules and PV system solutions. We produce solar panels ranging from 55w to 520w of both mono and poly silicon, folding solar panels, solar power light kit, etc. By 2015, Jayuan has achieved 500MW annual capacity and has been honored with PIO, INMETRO, CE, TUV, ISO, IEC 61215, CEC, ISO9001, ISO14001, ISO18001, CQC, Ammonia test, Salt mist test, IEC 61730, BIS, etc.

We adhere to excellence and intend to be one of the best suppliers of solar solutions. With the enterprise spirit and business philosophy, we promise to satisfy our customers with best products and personalized services at reasonable price. We are striving to break into the top ranks of global solar industries, and will achieve the goal soon. We look forward to your visit for further business cooperation.

Warranty



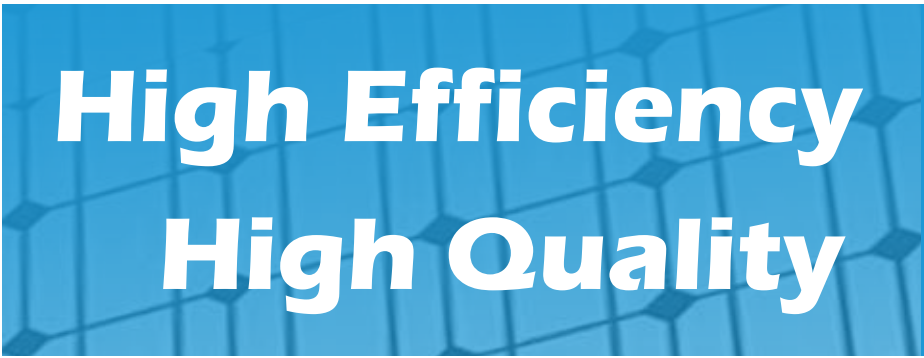
Warranty

- Manufacturing 12 Years
- Power Production 90%:12years 80%:25years

Strengths

- +3% Tolerance: 0+3%
- Plug&Play Connectors
- High transmission,low Iron Tempered Glass
- Bypass Diodes Protection
- Salt Mist And Ammonia Resistance Test
- 5400 Pa snow load,2400 Pa wind load

Production Process



JAYUAN390-420PERC

NEW-TEC

High-efficiency P-series

Photovoltaic Modules

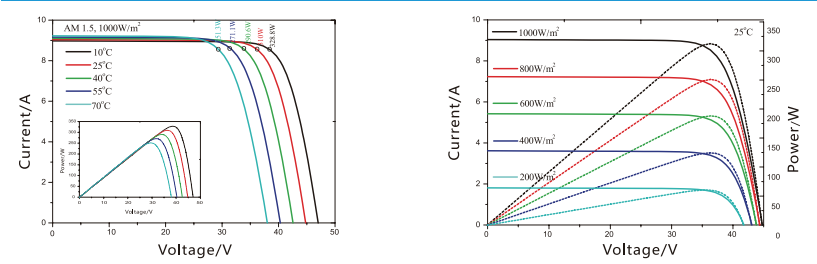
Module	Jayuan 390-420PERC							
Encapsulation	Glass/EVA/Cell/EVA/Backsheet							
Size and Number of cells	156.75mm*156.75mm 72/6*12pcs							
Maximum Power Pmax	W	390	395	400	405	410	415	420
Maximum Power Voltage (Vmp)	V	37.10	37.50	37.90	38.30	38.70	39.10	39.50
Maximum Power Current (Imp)	A	10.51	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.

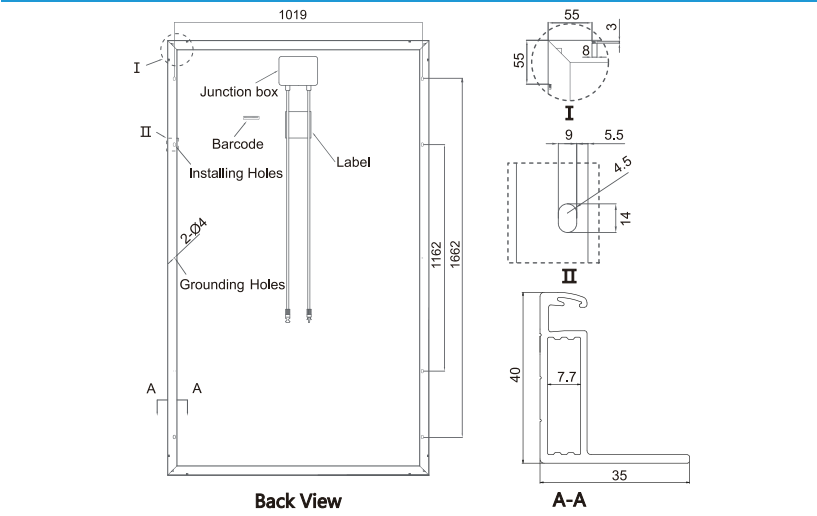
Temperature Coefficients

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

I-V Curves



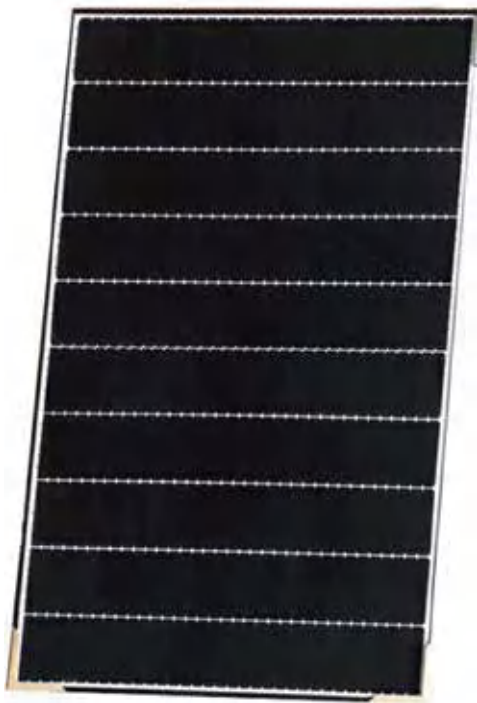
Dimensions



Advantage

Jayuan 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, Jayuan 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.



JAYUAN360-390(72) NEW-TEC

Half Cells

Photovoltaic Modules

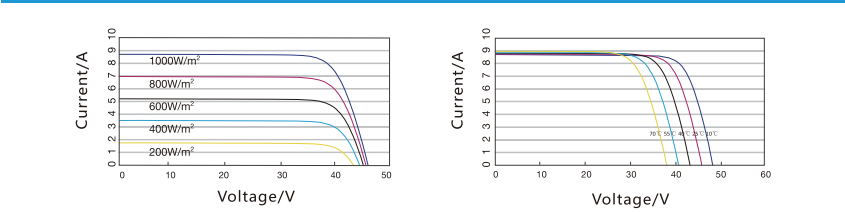
Module	Jayuan 360-390W(72)			
Encapsulation	Glass/EVA/Cell/EVA/Backsheet			
Size and Number of cells	156.75mm*156.75mm 72/6*12pcs			
Maximum Power Pmax	W	360	370	380
Maximum Power Voltage (Vmp)	V	39.10	39.50	39.90
Maximum Power Current (Imp)	A	9.21	9.37	9.52
Open Circuit Voltage (Voc)	V	46.92	47.40	47.88
Short Circuit Current (Isc)	A	9.67	9.84	10.00
Cell Efficiency	%	19.40	19.82	20.24
Module Efficiency	%	18.33	18.84	19.35
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.

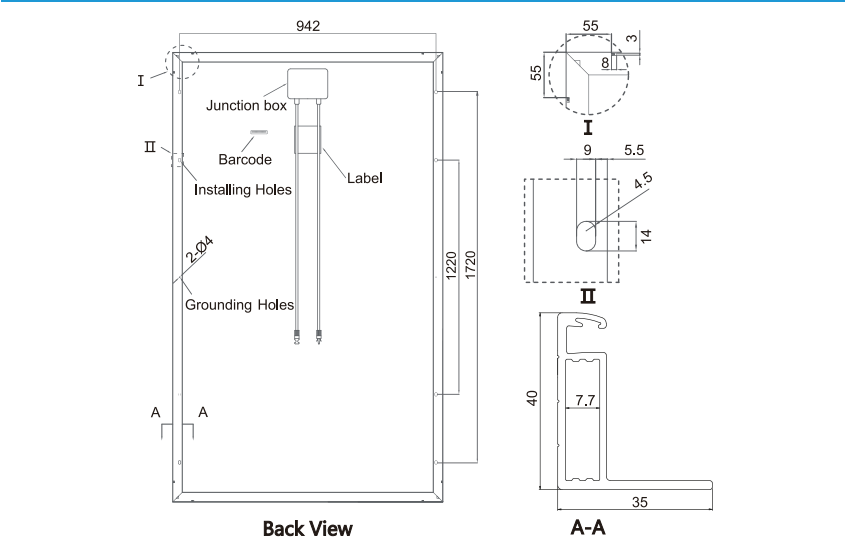
Temperature Coefficients

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

I-V Curves



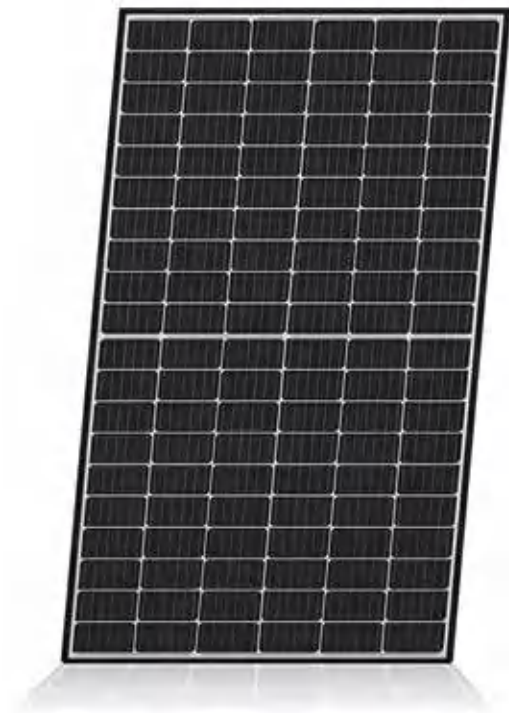
Dimensions



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Photovoltaic Modules

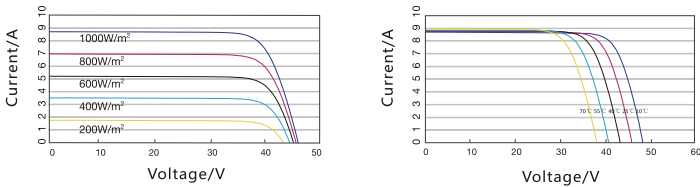
Module	Jayuan 350-380W(72)							
Encapsulation	Glass/EVA/Cell/EVA/Backsheet							
Size and Number of cells	72/6*12pcs							
Maximum Power Pmax	W	350	355	360	365	370	375	380
Maximum Power Voltage (Vmp)	V	39.10	39.50	39.90	40.30	40.70	41.10	41.50
Maximum Power Current (Imp)	A	8.95	8.99	9.02	9.06	9.09	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.

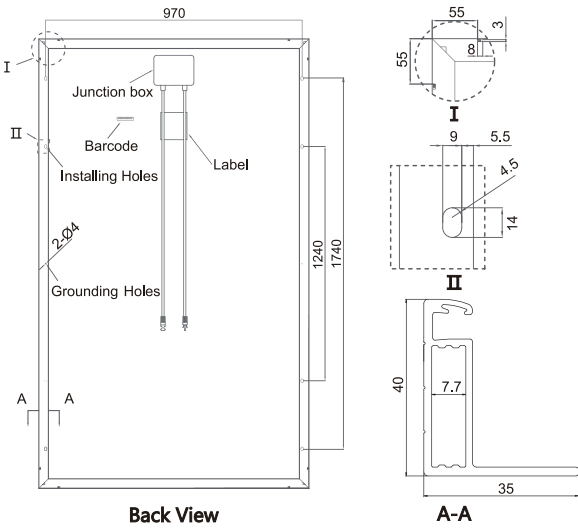
Temperature Coefficients

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

I-V Curves



Dimensions



JAYUAN350-380W(72)

Advantage

Jayuan 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.

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Photovoltaic Modules

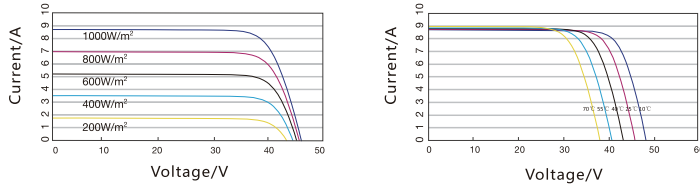
Module	Jayuan 4 0-5 0W(96)			
Encapsulation	Glass/EVA/Cell/EVA/Backsheet			
Size and Number of cells	96/8*12pcs			
Maximum Power Pmax	W	480	490	500
Maximum Power Voltage (Vmp)	V			
Maximum Power Current (Imp)	A	9.	10.0	10.
Open Circuit Voltage (Voc)	V	58.44		
Short Circuit Current (Isc)	A	10.3	10.	10.
Cell Efficiency	%	20.	21.	
Module Efficiency	%	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.

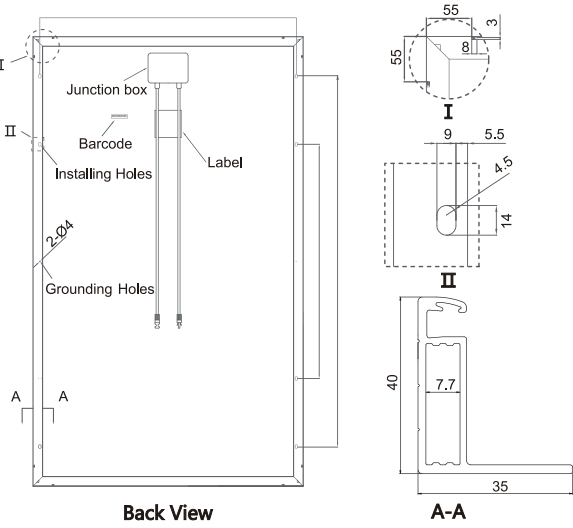
Temperature Coefficients

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

I-V Curves



Dimensions



JAYUAN4 0-5 0W(96)

JAYUAN330-400W(72)

Photovoltaic Modules

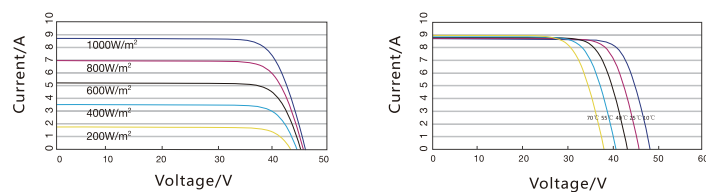
Module	Jayuan 330-400W(72)										
Encapsulation	Glass/EVA/Cell/EVA/Backsheet										
Size and Number of cells	156.75mm*156.75mm 72/6*12pcs										
Maximum Power Pmax	W	330	340	350	360	370	380	385	390	400	
Maximum Power Voltage (Vmp)	V	38.40	38.60	38.80	39.10	39.30	39.40	39.50	39.50	39.80	41.10
Maximum Power Current (Imp)	A	8.59	8.81	9.02	9.21	9.41	9.54	9.62	9.75	9.80	9.73
Open Circuit Voltage (Voc)	V	46.08	46.32	46.56	46.92	47.16	47.28	47.40	47.40	47.76	49.32
Short Circuit Current (Isc)	A	9.02	9.25	9.47	9.67	9.89	10.01	10.10	10.23	10.29	10.22
Cell Efficiency	%	19.21	19.80	20.38	20.96	21.54	21.83	22.12	22.42	22.71	23.29
Module Efficiency	%	17.18	17.70	18.22	18.74	19.26	19.52	19.78	20.04	20.30	20.82
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 °C. Measuring uncertainty of power is within ±3%. Tolerance of P_{mp}: 0~+3%. Certified in accordance with IEC61215, IEC61730-1/2.

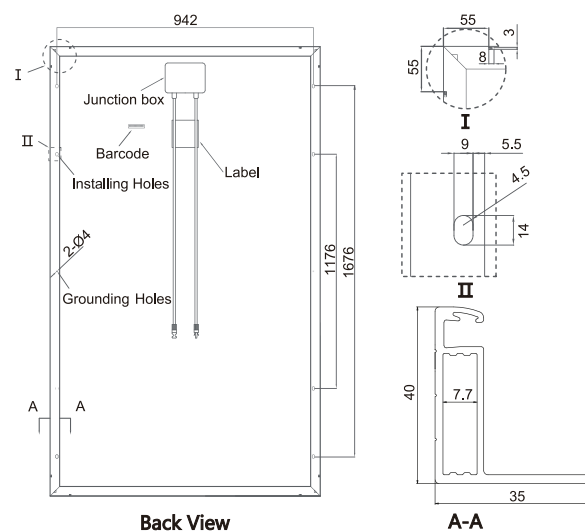
Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45°C±2°C
Short Circuit Current Temperature Coefficients		$\alpha(I_{sc})$ +0.059%/°C
Open Circuit Voltage Temperature Coefficients		$\beta(V_{oc})$ -0.330%/°C
Peak Power Temperature Coefficients		$\gamma(P_{max})$ -0.410%/°C
Output		
Cable 4.0mm²(TUV)	Length 900/1200mm	Connector MC4 type

I-V Curves



Dimensions



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JAYUAN310-350W(72)

Photovoltaic Modules

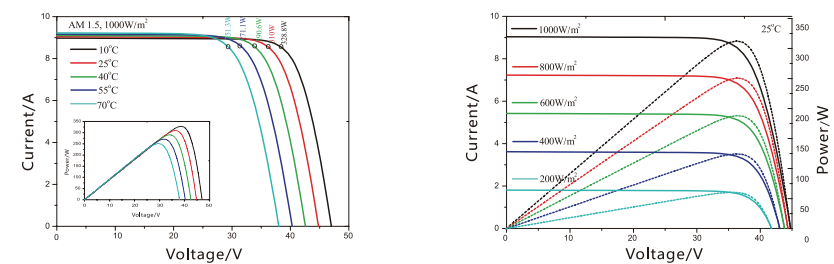
Module	Jayuan 310-350W(72)						
Encapsulation	Glass/EVA/Cell/EVA/Backsheet						
Size and Number of cells	156.75mm*156.75mm 72/6*12pcs						
Maximum Power Pmax	W	310	320	325	330	340	350
Maximum Power Voltage (Vmp)	V	37.00	37.50	37.90	38.20	38.50	38.90
Maximum Power Current (Imp)	A	8.38	8.53	8.58	8.64	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 °C. Measuring uncertainty of power is within ±3%. Tolerance of P_{mp}: 0~+3%. Certified in accordance with IEC61215, IEC61730-1/2.

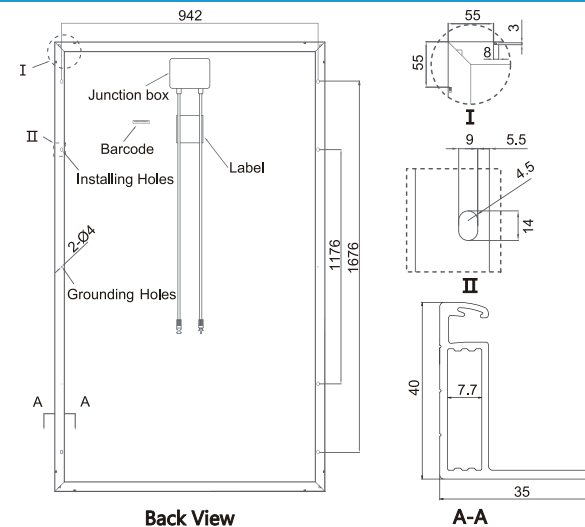
Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)		45°C±2°C
Short Circuit Current Temperature Coefficients		α(Isc) +0.045%/°C
Open Circuit Voltage Temperature Coefficients		β(Voc) -0.292%/°C
Peak Power Temperature Coefficients		γ(Pmax) -0.408%/°C
Output		
Cable 4.0mm²(TUV)	Length 900/1200mm	Connector MC4 type

I-V Curves



Dimensions



Advantage

Jayuan 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.

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Photovoltaic Modules

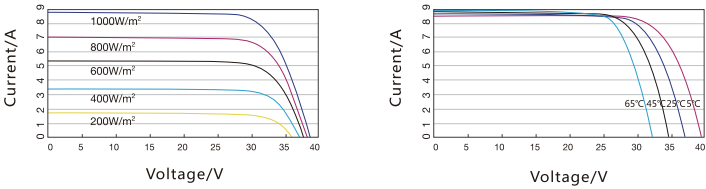
Module	Jayuan 270-320W(60)								
Encapsulation	Glass/EVA/Cell/EVA/Backsheet								
Size and Number of cells	156.75mm*156.75mm 60/6*10pcs								
Maximum Power Pmax	W	270	280	290	300	305	310	315	320
Maximum Power Voltage (Vmp)	V	31.20	31.50	31.80	32.10	32.10	32.40	32.40	32.70
Maximum Power Current (Imp)	A	8.65	8.89	9.12	9.35	9.50	9.57	9.72	9.79
Open Circuit Voltage (Voc)	V	37.44	37.80	38.16	38.52	38.52	38.88	38.88	39.24
Short Circuit Current (Isc)	A	9.09	9.33	9.58	9.81	9.98	10.05	10.21	10.28
Cell Efficiency	%	18.86	19.56	20.26	20.96	21.31	21.66	22.01	22.36
Module Efficiency	%	16.76	17.38	18.01	18.63	18.94	19.25	19.56	19.87
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.

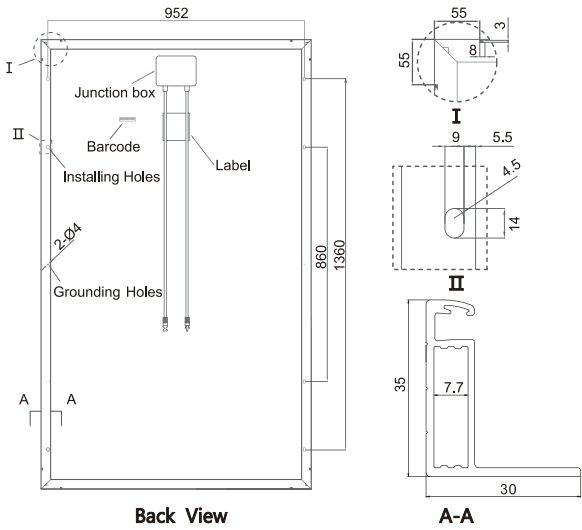
Temperature Coefficients

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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

I-V Curves



Dimensions



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Photovoltaic Modules

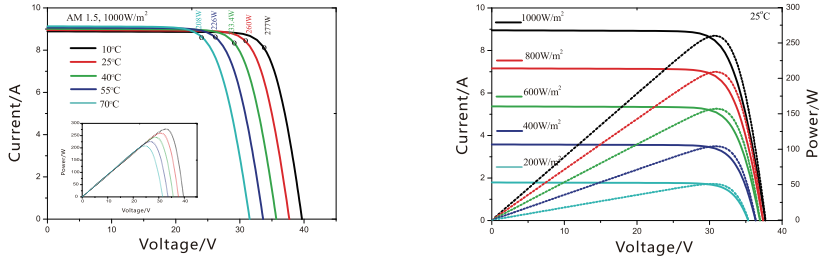
Module	Jayuan 260-300W(60)					
Encapsulation	Glass/EVA/Cell/EVA/Backsheet					
Size and Number of cells	156.75mm*156.75mm 60/6*10pcs					
Maximum Power Pmax	W	260	270	275	280	290
Maximum Power Voltage (Vmp)	V	31.20	31.50	31.80	32.10	32.30
Maximum Power Current (Imp)	A	8.33	8.57	8.65	8.72	8.98
Open Circuit Voltage (Voc)	V	37.44	37.80	38.16	38.52	38.76
Short Circuit Current (Isc)	A	8.75	9.00	9.08	9.16	9.43
Cell Efficiency	%	18.40	18.88	19.21	19.60	20.02
Module Efficiency	%	15.98	16.60	16.90	17.21	17.83
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.

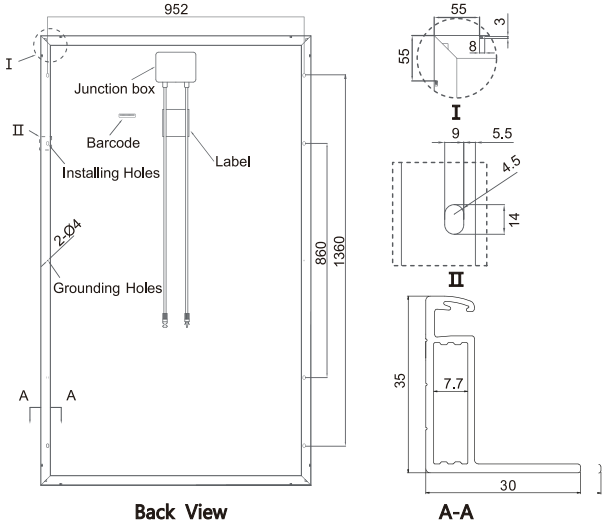
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Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.292%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.408%/℃
Output		
Cable 4.0mm²(TUV)	Length 900mm	Connector MC4 type

I-V Curves



Dimensions



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JAYUAN200-240W(48)

Photovoltaic Modules

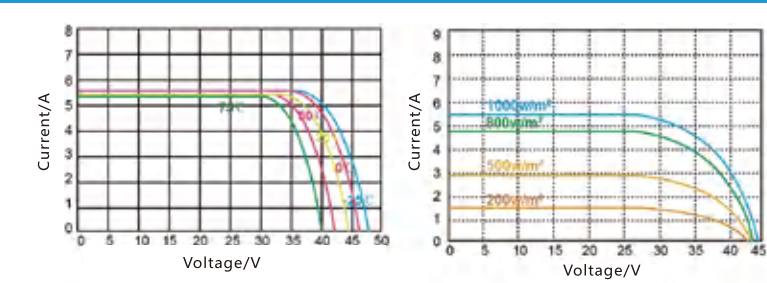
Module	Jayuan 200-240W(48)					
Encapsulation	Glass/EVA/Cell/EVA/Backsheet					
Maximum Power Pmax	W	200	210	220	230	240
Maximum Power Voltage (Vmp)	V	24.50	24.70	24.90	25.10	25.30
Maximum Power Current (Imp)	A	8.16	8.50	8.84	9.16	9.49
Open Circuit Voltage (Voc)	V	29.40	29.64	29.88	30.12	30.36
Short 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 Thickness	35/40mm					
Frame Colour	Gold/Brown/Black/Silver					

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1.5; module temperature 25 C. Measuring uncertainty of power is within ±3%. Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

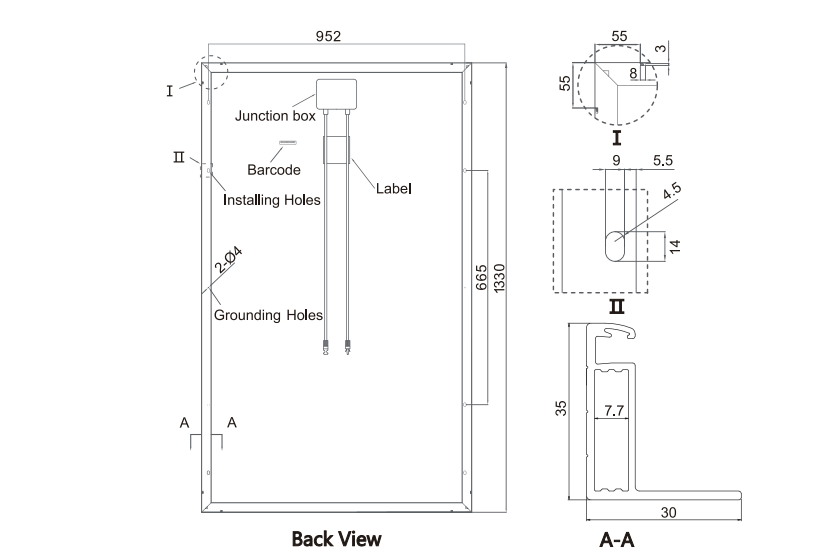
Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)	45°C±2°C	
Short Circuit Current Temperature Coefficients	α(Isc)	+0.059%/°C
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.330%/°C
Peak Power Temperature Coefficients	γ(Pmax)	-0.410%/°C
Output		
Cable 4.0mm²(TUV)	Length 900mm	Connector MC4 type

I-V Curves



Dimensions



Advantage

Jayuan 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, Jayuan 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.



JAYUAN200-230W(48)

Photovoltaic Modules

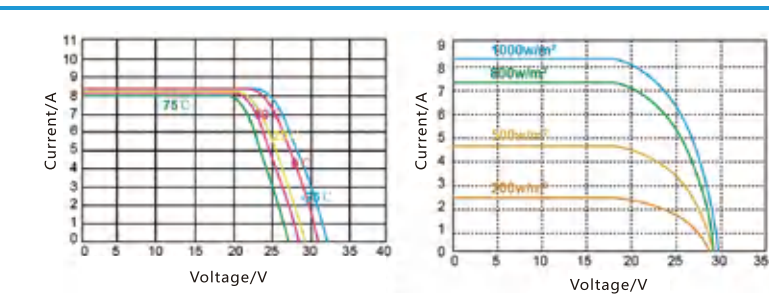
Module	Jayuan 200-230W(48)			
Encapsulation	Glass/EVA/Cell/EVA/Backsheet			
Maximum Power Pmax	W	200	210	230
Maximum Power Voltage (Vmp)	V	24.50	24.70	24.90
Maximum Power Current (Imp)	A	8.16	8.50	8.84
Open Circuit Voltage (Voc)	V	29.40	29.64	29.88
Short Circuit Current (Isc)	A	8.57	8.93	9.28
Cell Efficiency	%	17.80	18.24	18.66
Module Efficiency	%	15.16	15.92	16.67
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 Thickness	35/40mm			
Frame Colour	Gold/Brown/Black/Silver			

Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1.5; module temperature 25 C. Measuring uncertainty of power is within ±3%. Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

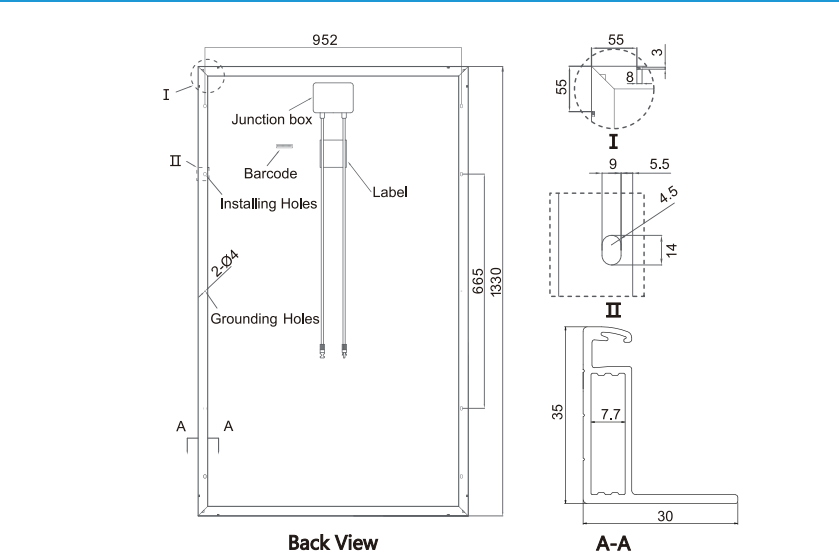
Temperature Coefficients

Nominal Operating Cell Temperature(NOCT)	45°C±2°C	
Short Circuit Current Temperature Coefficients	α(Isc)	+0.045%/°C
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.292%/°C
Peak Power Temperature Coefficients	γ(Pmax)	-0.408%/°C
Output		
Cable 4.0mm²(TUV)	Length 900mm	Connector MC4 type

I-V Curves



Dimensions



Advantage

Jayuan 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.

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Photovoltaic Modules

Module	Jayuan 150-180W(36)			
Encapsulation	Glass/EVA/Cell/EVA/Backsheet			
Maximum Power Pmax	W	150	160	170
Maximum Power Voltage (Vmp)	V	18.50	18.70	18.85
Maximum Power Current (Imp)	A	8.11	8.56	9.02
Open Circuit Voltage (Voc)	V	22.20	22.44	22.62
Short Circuit Current (Isc)	A	8.52	8.98	9.47
Cell Efficiency	%	17.78	18.30	18.68
Module Efficiency	%	15.07	16.06	17.06
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 Thickness	35mm			
Frame Colour	Gold/Brown/Black/Silver			

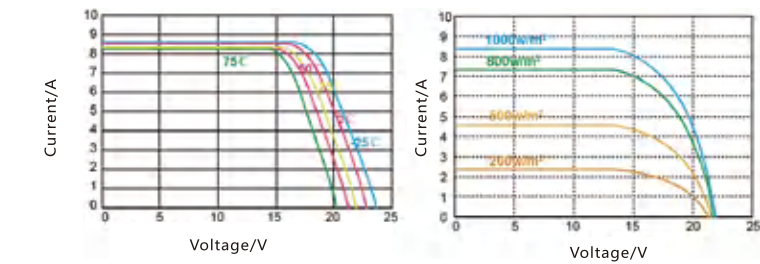
Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1.5; module temperature 25℃. Measuring uncertainty of power is within ±3%. Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

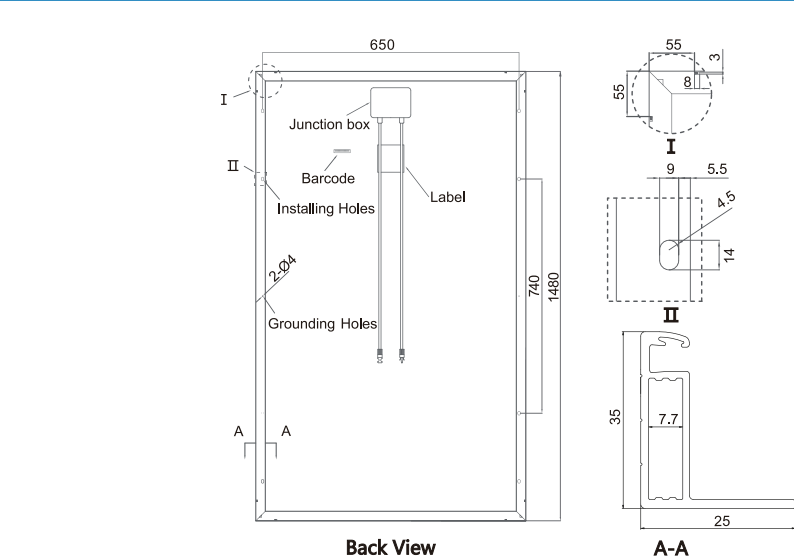
Nominal Operating Cell Temperature(NOCT)	45℃±2℃	
Short Circuit Current Temperature Coefficients	α(Isc)	+0.059%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.330%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.410%/℃

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

I-V Curves



Dimensions



Advantage

Jayuan 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.

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Photovoltaic Modules

Module	Jayuan 150-170W(36)		
Encapsulation	Glass/EVA/Cell/EVA/Backsheet		
Maximum Power Pmax	W	150	160
Maximum Power Voltage (Vmp)	V	18.70	18.85
Maximum Power Current (Imp)	A	8.02	8.49
Open Circuit Voltage (Voc)	V	22.44	22.62
Short Circuit Current (Isc)	A	8.42	8.91
Cell Efficiency	%	15.68	17.20
Module Efficiency	%	14.90	15.90
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 Thickness	35mm		
Frame Colour	Gold/Brown/Black/Silver		

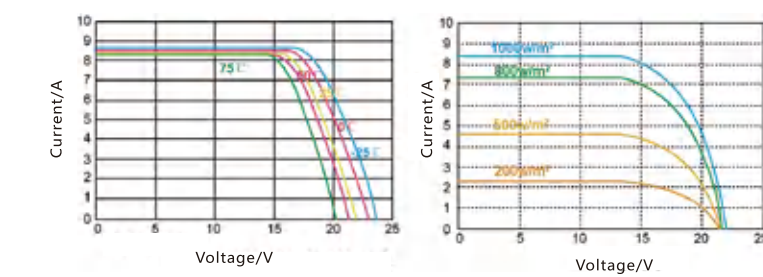
Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1.5; module temperature 25℃. Measuring uncertainty of power is within ±3%. Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

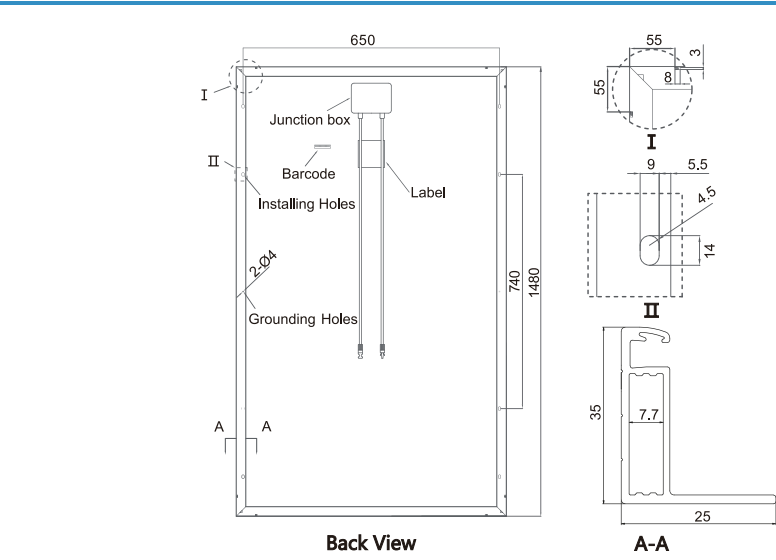
Nominal Operating Cell Temperature(NOCT)	45℃±2℃	
Short Circuit Current Temperature Coefficients	α(Isc)	+0.045%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.292%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.408%/℃

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

I-V Curves



Dimensions



Advantage

Jayuan 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.

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JAYUAN110-140W(36)

Photovoltaic Modules

Module	Jayuan 110-140W(36)			
Encapsulation	Glass/EVA/Cell/EVA/Backsheet			
Maximum Power Pmax	W	110	120	130
Maximum Power Voltage (Vmp)	V	18.50	18.70	18.50
Maximum Power Current (Imp)	A	5.95	6.42	7.03
Open Circuit Voltage (Voc)	V	22.20	22.44	22.20
Short Circuit Current (Isc)	A	6.24	6.74	7.86
Cell Efficiency	%	17.20	17.62	18.02
Module Efficiency	%	16.02	17.49	17.09
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°C		-40/+85°C	
Relative Humidity	0~100%		0~100%	
Frame Thickness	35mm		35mm	
Frame Colour	Gold/Brown/Black/Silver		Gold/Brown/Black/Silver	

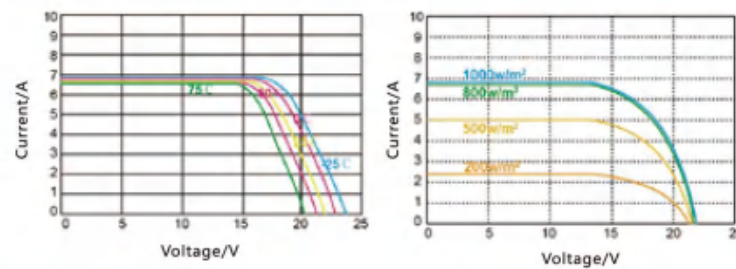
Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1.5; module temperature 25°C. Measuring uncertainty of power is within ±3%.
Tolerance of Pmp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

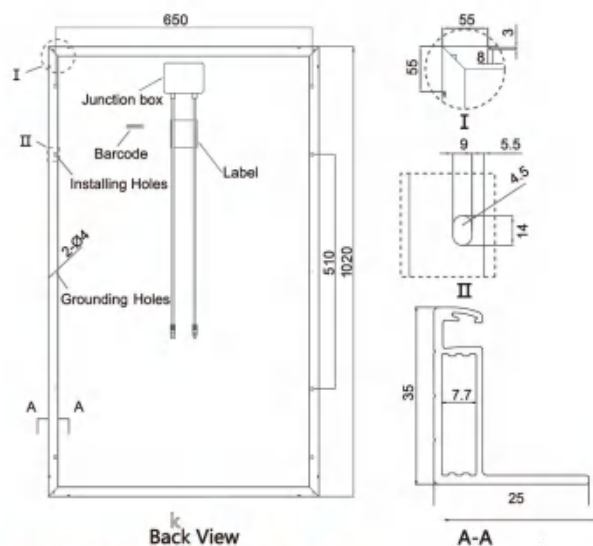
Nominal Operating Cell Temperature(NOCT)	45°C±2°C	
Short Circuit Current Temperature Coefficients	α(Isc)	+0.059%/°C
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.330%/°C
Peak Power Temperature Coefficients	γ(Pmax)	-0.410%/°C

Output		
Cable 4.0mm ² (TUV)	Length 900mm	Connector MC4 type

I-V Curves



Dimensions



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JAYUAN100-130W(36)

Photovoltaic Modules

Module	Jayuan 100-130W(36)			
Encapsulation	Glass/EVA/Cell/EVA/Backsheet			
Maximum Power Pmax	W	100	110	115
Maximum Power Voltage (Vmp)	V	18.90	18.50	18.70
Maximum Power Current (Imp)	A	5.30	5.95	6.15
Open Circuit Voltage (Voc)	V	22.68	22.20	22.44
Short Circuit Current (Isc)	A	5.56	6.24	6.46
Cell Efficiency	%	16.12	16.35	16.90
Module Efficiency	%	14.43	15.86	16.58
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°C		-40/+85°C	
Relative Humidity	0~100%		0~100%	
Frame Thickness	35mm		35mm	
Frame Colour	Gold/Brown/Black/Silver		Gold/Brown/Black/Silver	

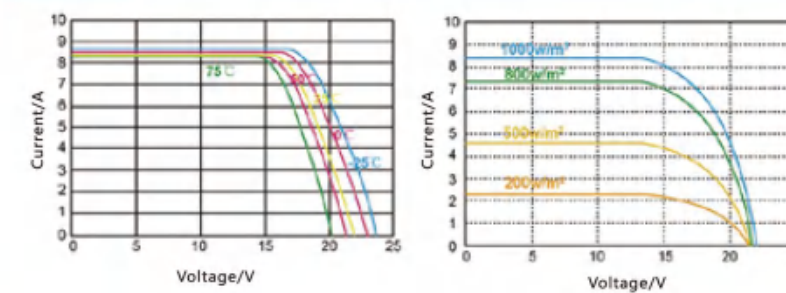
Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1.5; module temperature 25°C. Measuring uncertainty of power is within ±3%.
Tolerance of Pmp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

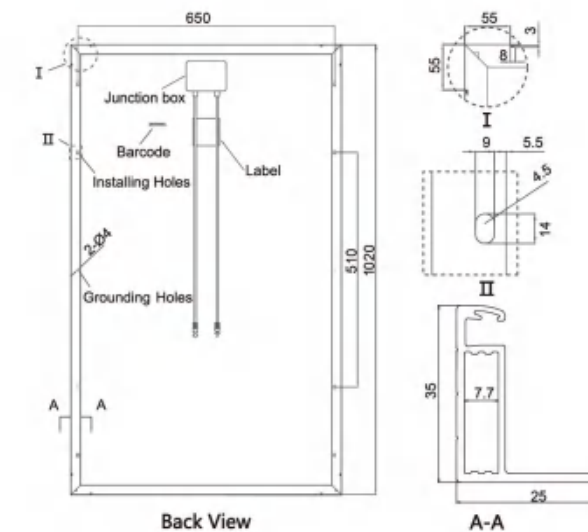
Nominal Operating Cell Temperature(NOCT)	45°C±2°C	
Short Circuit Current Temperature Coefficients	α(Isc)	+0.045%/°C
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.292%/°C
Peak Power Temperature Coefficients	γ(Pmax)	-0.408%/°C

Output		
Cable 4.0mm ² (TUV)	Length 900mm	Connector MC4 type

I-V Curves



Dimensions



PAEC 2

Jayuan Solution

Advantage

Jayuan 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.

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Photovoltaic Modules

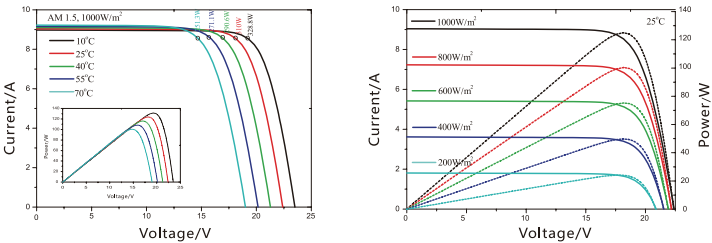
Module	Jayuan 60-100W(36)					
Encapsulation	Glass/EVA/Cell/EVA/Backsheet					
Maximum Power Pmax	W	60	80	90	95	100
Maximum Power Voltage (Vmp)	V	18.50	18.50	18.70	18.80	18.90
Maximum Power Current (Imp)	A	3.25	4.33	4.82	5.06	5.30
Open Circuit Voltage (Voc)	V	22.20	22.20	22.44	22.56	22.68
Short Circuit 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	540*675*25mm		1010*540*25mm			
Weight	6kg		6.5kg			
Operate Temperature Scope	-40/+85℃		-40/+85℃			
Relative Humidity	0~100%		0~100%			
Frame Thickness	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.

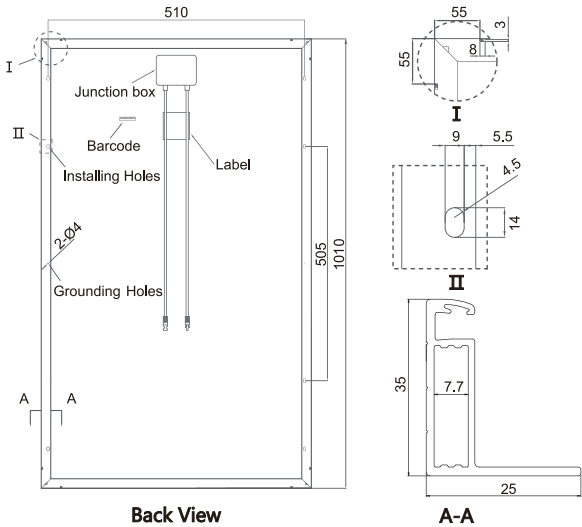
Temperature Coefficients

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

I-V Curves



Dimensions



Advantage

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Photovoltaic Modules

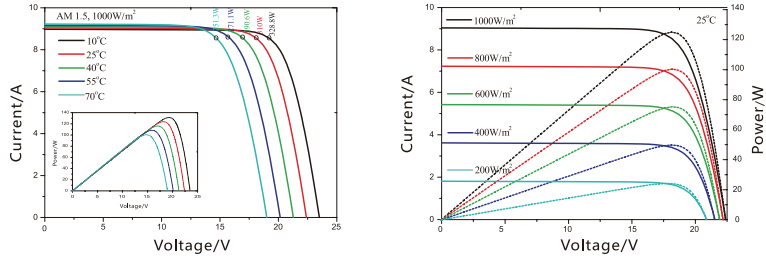
Module	Jayuan 50-95W(36)					
Encapsulation	Glass/EVA/Cell/EVA/Backsheet					
Maximum Power Pmax	W	50	60	80	90	95
Maximum Power Voltage (Vmp)	V	18.50	18.50	18.50	18.70	18.80
Maximum Power Current (Imp)	A	2.71	3.25	4.33	4.82	5.06
Open Circuit Voltage (Voc)	V	22.20	22.20	22.20	22.44	22.56
Short Circuit 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	540*675*25mm	1010*540*25mm			
Weight	3.5kg	6kg	6.5kg			
Operate Temperature Scope	-40/+85℃					
Relative Humidity	0~100%					
Frame Thickness	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.

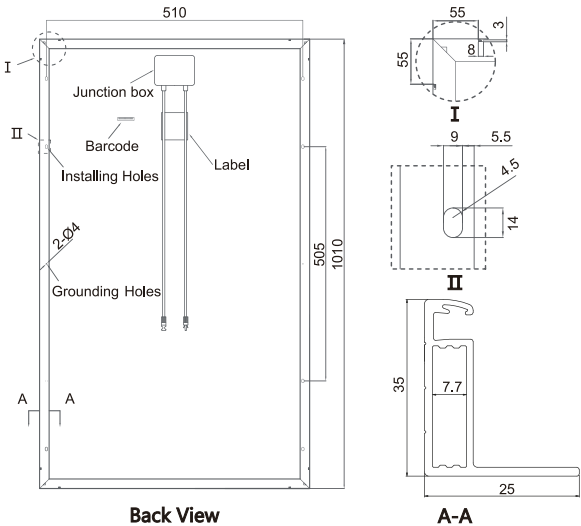
Temperature Coefficients

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

-V Curves



Dimensions



Advantage

Jayuan 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.

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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.

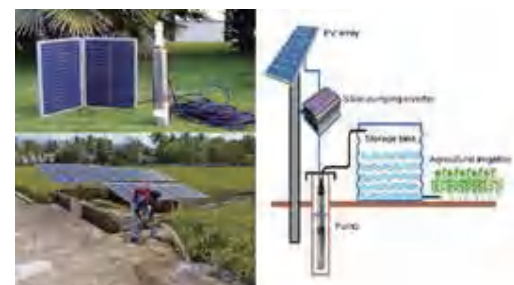


Commercial

- 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
 - G&P 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.

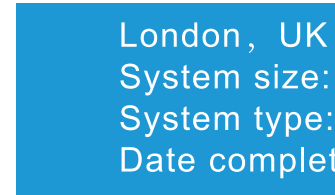


Project Reference

Paet 3
Jayuan Solution



Munich , Germany
System size: 2.3MW
System type: Rooftop
Date completed: Feb.2018



London , UK
System size: 1.5MW
System type: Rooftop
Date completed: May ,2018



Bangkok , Thailand
System size: 2.1MW
System type: Ground-mounted
Date completed: Jun.2018



Matsuyama , Japan
System size: 100KW
System type: Rooftop
Date completed: Jul.2018



Portuguesa
System size: 8.5KW
System type: Rooftop
Date completed: Aug. 2019



Munich , Germany
System size: 500KW
System type: Rooftop
Date completed: Nov. 2019



Santiago , Chile
System size: 10KW
System type: Rooftop
Date completed: Apr. 2019



Manila , Philippine
System size: 110KW
System type: Rooftop
Date completed: Jun. 2019

