Jayuan

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Jayuan

Jayuan Solution

Hangzhou Jayuan Industrial Co., Ltd

Profile

Hangzhou Jiayuan Industrial Co.,Ltd was established in 1993 and has 30 years of professional solar panel production experience and core technology. Covering an area of more than 35,000 square meters. The company achieved a turnover of 300 million CNY in 2020 and has nearly 500 employees. Renjiang Technology is a new energy enterprise "integrating production and manufacturing, technology research and development, investment and development, EPC construction and asset operation".

Jiayuan main products are solar modules, involving small, medium and large sizes, multi-power 5 to 550W, and special application modules: flexible solar panels, double glass solar panels; At the same time, the company's products cover the whole country and export to Asia, Europe, North America, South America, Africa and other more than 30 countries, in the field of solar module customization, Renjiang is a leading enterprise.

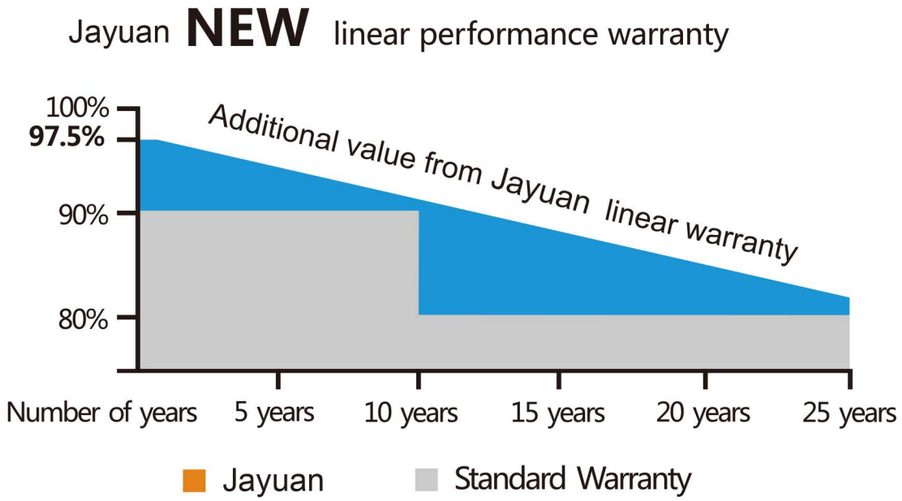
Th gh-tech Enterprise", "China top 500 Environmental Protection Industry", "China top 500 Machinery Industry", "Engineering construction recommended products". In the pursuit of product quality and market influence, Renjiang adheres to the core values of "contributing to the society, pursuing the lead, improving the brand, and developing harmoniously", and adheres to the corporate purpose of "integrity, cooperation, innovation, efficiency". We actively promote low-carbon economy, circular economy and green development, and make positive contributions to the prosperity and sustainable development ɔf the world.

www.jayuansolution.com

Qualiflcation

PAET I
Jayuan Solution

Warranty



Warranty

Manufacturing
12 Years

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

Strengths

- 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

PART I
Jayuan Solution


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

JAYUAN390-420PERC NEW-TEC High-effciency 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

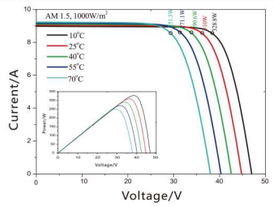
Cable 4.0mm²(TUV)	Length 900/1200mm	Connector MC4 type

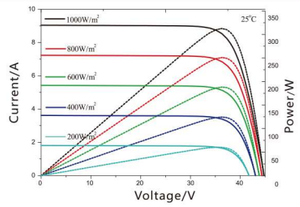
Advantage

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.

I-V Curves





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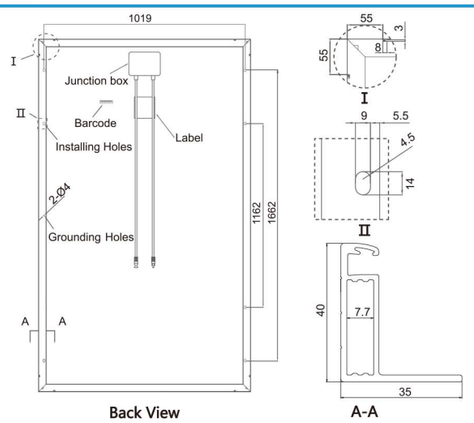
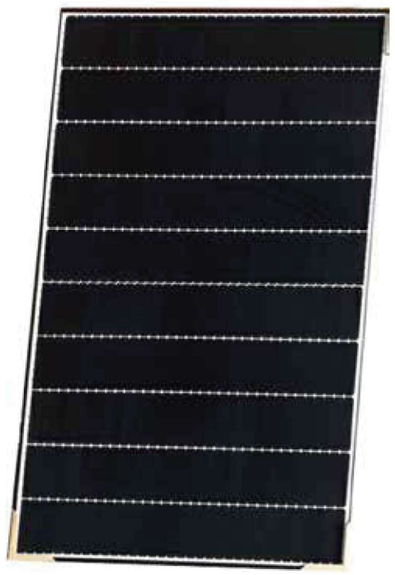




JAYUAN360-390(72) NEW-TEC Half Calls

PAET 2
Jayuan Solution

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	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

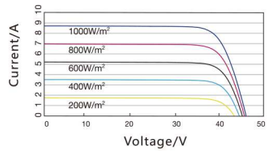
Cable 4.0mm²(TUV)	Length 900/1200mm	Connector MC4 type

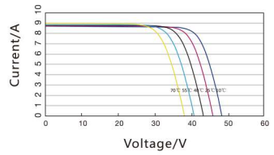
Advantage

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.

I-V Curves





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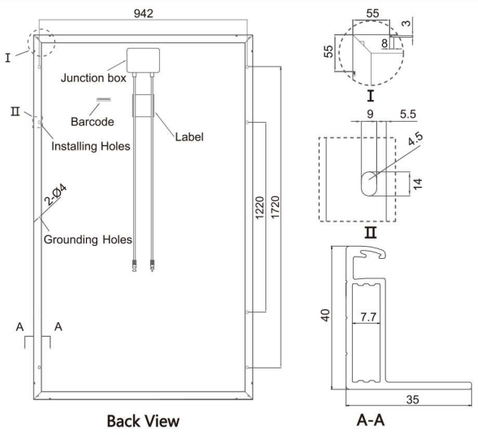
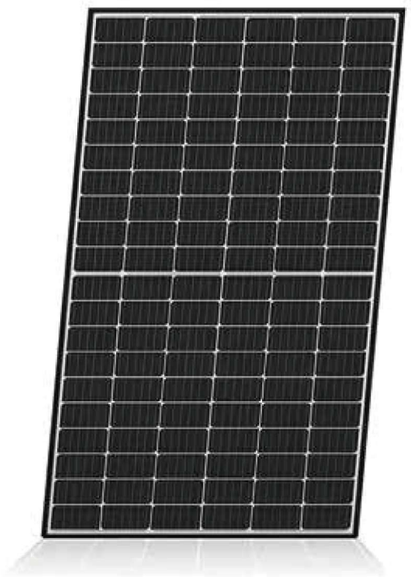




JAYUAN350-380W(72) NEW-TEC Double Glass

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

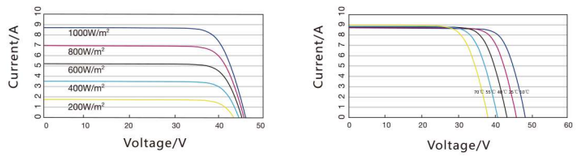
Cable 4.0mm²(TUV)	Length 900/1200mm	Connector MC4 type

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.

I-V Curves



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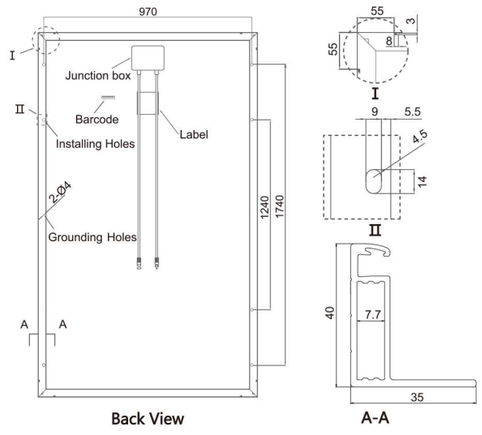


JAYUAN4 0-5 0W(96) NEW-TEC

PAEC 2
Jayuan Solution

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

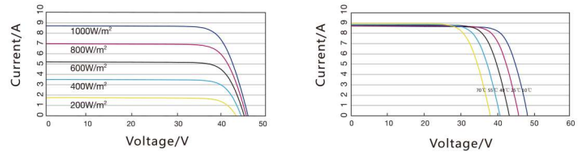
Cable 4.0mm²(TUV)	Length 900/1200mm	Connector MC4 type

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.

I-V Curves



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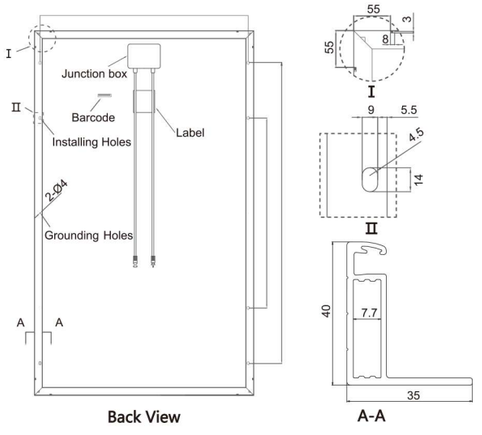


JAYUAN330-400W(72)

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	375	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℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

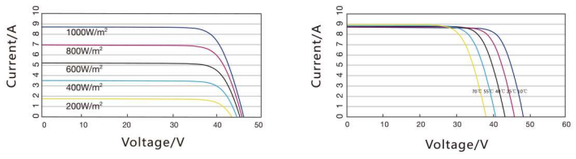
Temperature Coefficients

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



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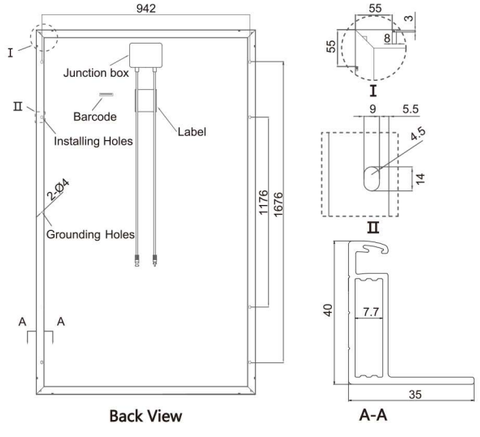

Advantage

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www.jayuansolution.com

JAYUAN310-350W(72)

PAEC 2
Jayuan Solution

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℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

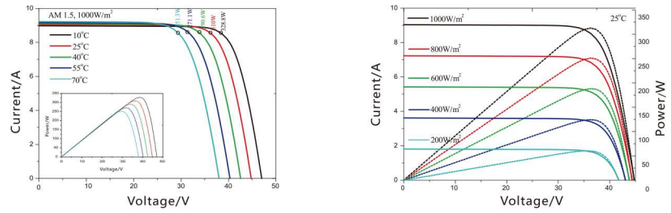
Temperature Coefficients

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%/℃

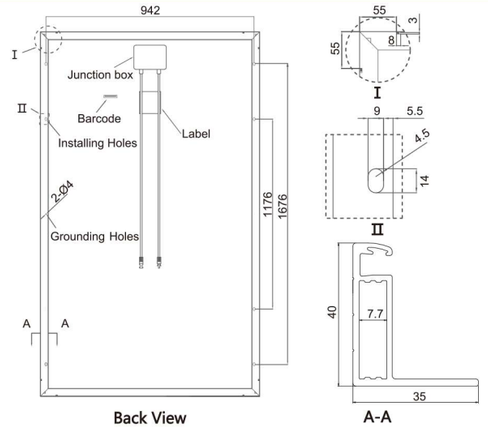
Output

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

I-V Curves



Dimensions



Advantage

Jayuan series modules consist of 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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JAYUAN270-320W(60)

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.

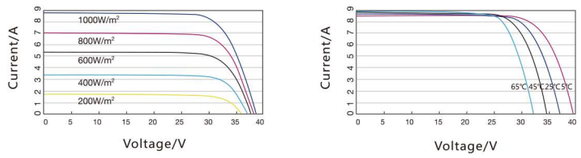
Temperature Coefficients

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



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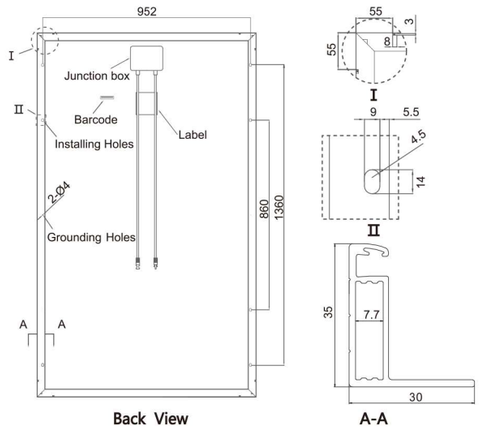

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Advantage

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.

JAYUAN260-300W(60)

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	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.

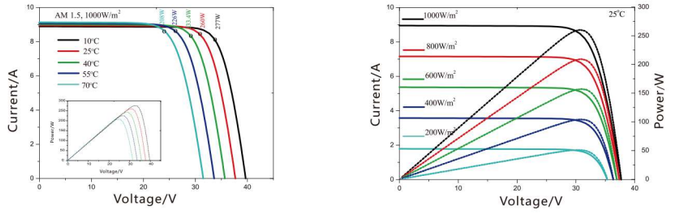
Temperature Coefficients

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%/℃

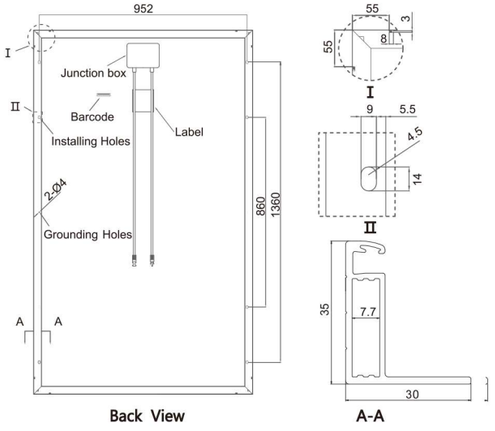
Output

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

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.

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.

JAYUAN200-240W(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 Thinkness	35/40mm					
Frame Colour	Gold/Brown/Black/Silver					

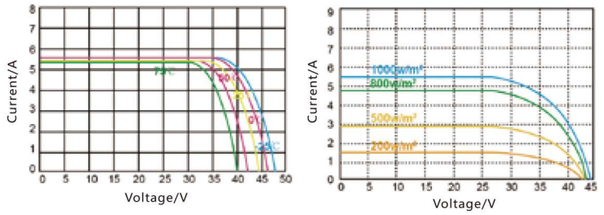
Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1,5; module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

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

I-V Curves



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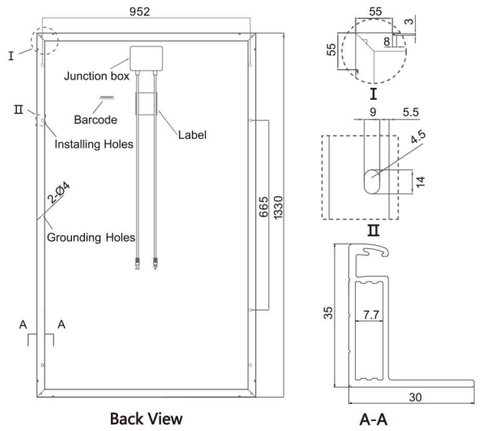

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Advantage

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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JAYUAN200-230W(48)

PAET 2
Jayuan Solution

Photovoltaic Modules

Module	Jayuan 200-230W(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				

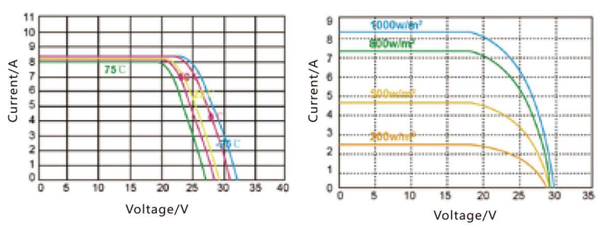
Standard Test Conditions[STC]: irradiance 1,000 W/m²; AM 1,5; module temperature 25℃. Measuring uncertainty of power is within ±3%.
Tolerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

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

I-V Curves



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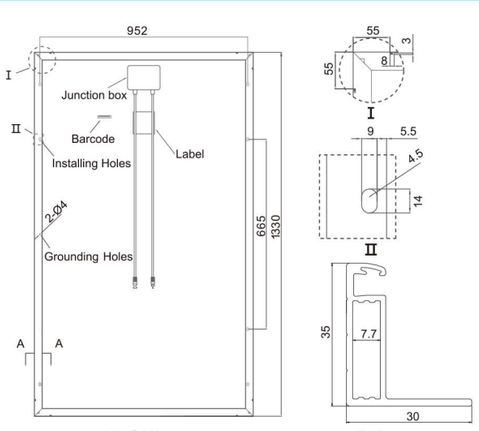

Advantage

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JAYUAN150-180W(36)

Photovoltaic Modules

Module		Jayuan 150-180W(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

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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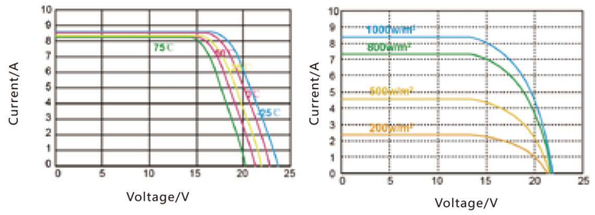
I-V Curves



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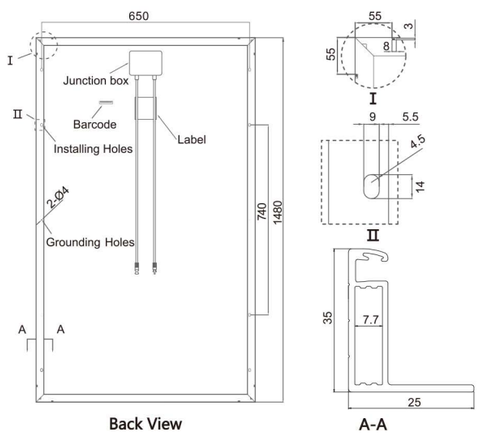

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JAYUAN150-170W(36)

PAET 2
Jayuan Solution

Photovoltaic Modules

Module		Jayuan 150-170W(36)		
Encapsulation		Glass/EVA/Cell/EVA/Backsheet		
Maximum Power Pmax	W	150	160	170
Maximum Power Voltage (Vmp)	V	18.70	18.85	18.95
Maximum Power Current (Imp)	A	8.02	8.49	8.97
Open Circuit Voltage (Voc)	V	22.44	22.62	22.74
Short Circuit Current (Isc)	A	8.42	8.91	9.42
Cell Efficiency	%	15.68	17.20	17.88
Module Efficiency	%	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

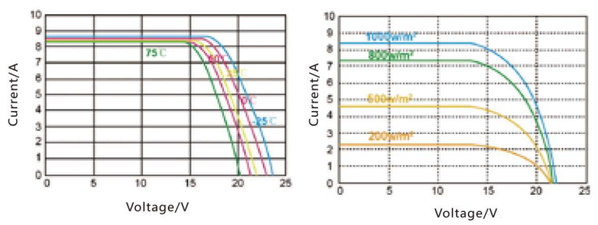
Cable 4.0mm²(TUV) Length 900mm Connector MC4 type

Advantage

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.

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.

I-V Curves



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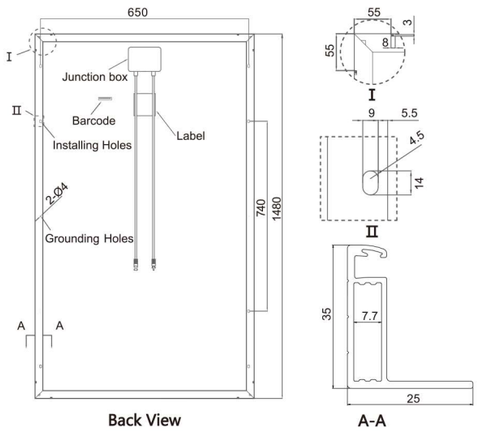


JAYUAN110-140W(36)

Photovoltaic Modules

Module		Jayuan 110-140W(36)			
Encapsulation		Glass/EVA/Cell/EVA/Backsheet			
Maximum Power Pmax	W	110	120	130	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.

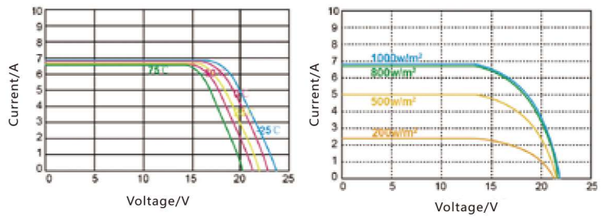
Temperature Coefficients

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

I-V Curves



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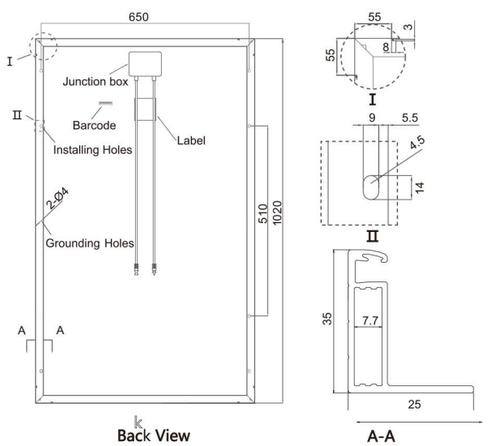

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GPP100-130W(36)

PAET 2
Jayuan Solution

Photovoltaic Modules

Module		Jayuan 100-130W(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.

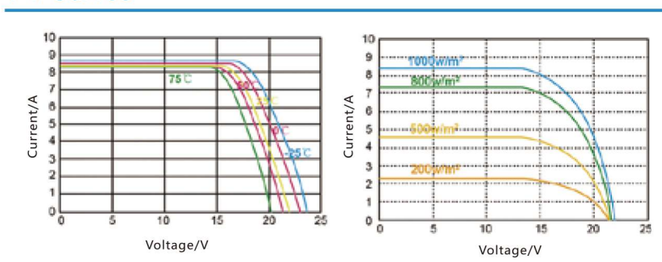
Temperature Coefficients

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

I-V Curves



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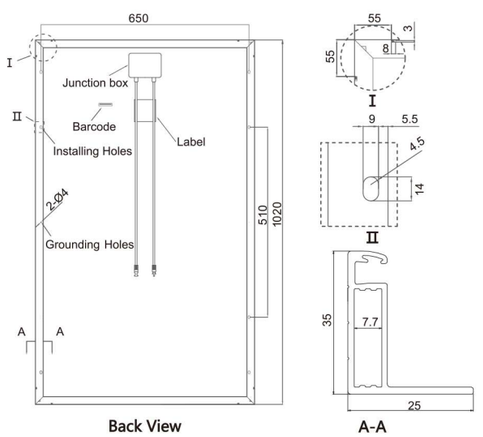

Advantage

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JAYUAN60-100W(36)

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 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

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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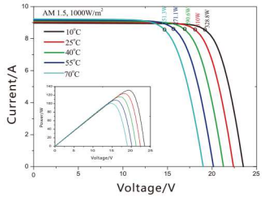
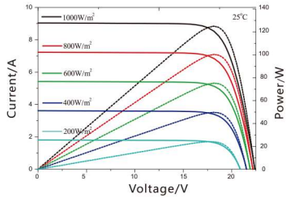
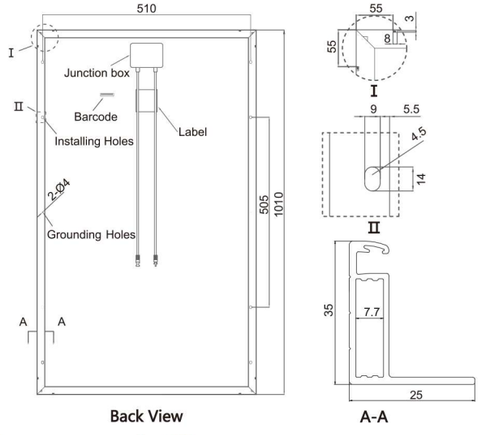
I-V Curves





Dimensions



www.jayuansolution.com

JAYUAN50-95W(36)

PAET 2
Jayuan Solution

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 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%.
olerance of Pmpp: 0~+3%. Certified in accordance with IEC61215,IEC61730-1/2.

Temperature Coefficients

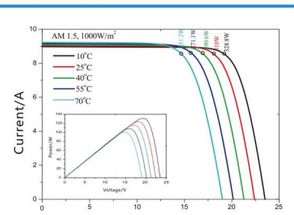
Nominal Operating Cell Temperature(NOCT)		45℃±2℃
Short Circuit Current Temperature Coefficients	α(Isc)	+0.045%/℃
Open Circuit Voltage Temperature Coefficients	β(Voc)	-0.292%/℃
Peak Power Temperature Coefficients	γ(Pmax)	-0.408%/℃
Output		
Cable 4.0mm²(TUV)	Length 900mm	Connector MC4 type

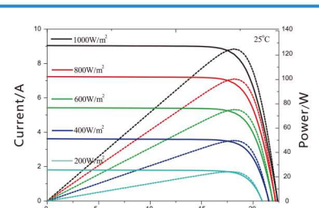
Advantage

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.

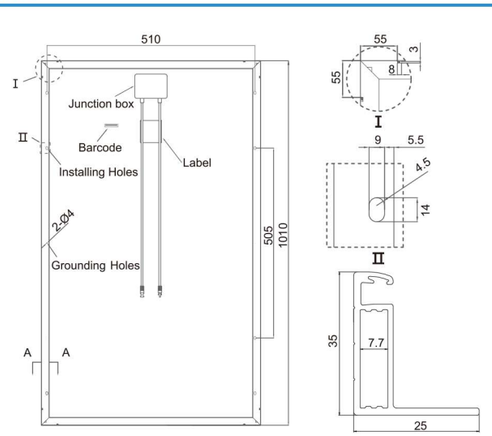
After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, Jayuan solar modules can be installed easily and work for a long period. At the same time,they can withstand the storm,strong wind and hail impact,etc.

-V Curves





Dimensions



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

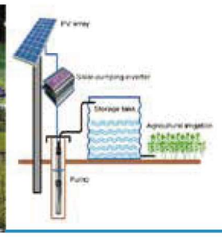
2、Reduce your carbon footprint
- Fulfill your sustainability objectives

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

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