SOLAR MOUDLES
BALCONY SOLAR
SOLAR POWER SOLUTION
SMART MODULES / OFF ROAD

BY ®

SOLAR EPOCH

— SOLAREPOCH.COM —

SOLAR EPOCH®

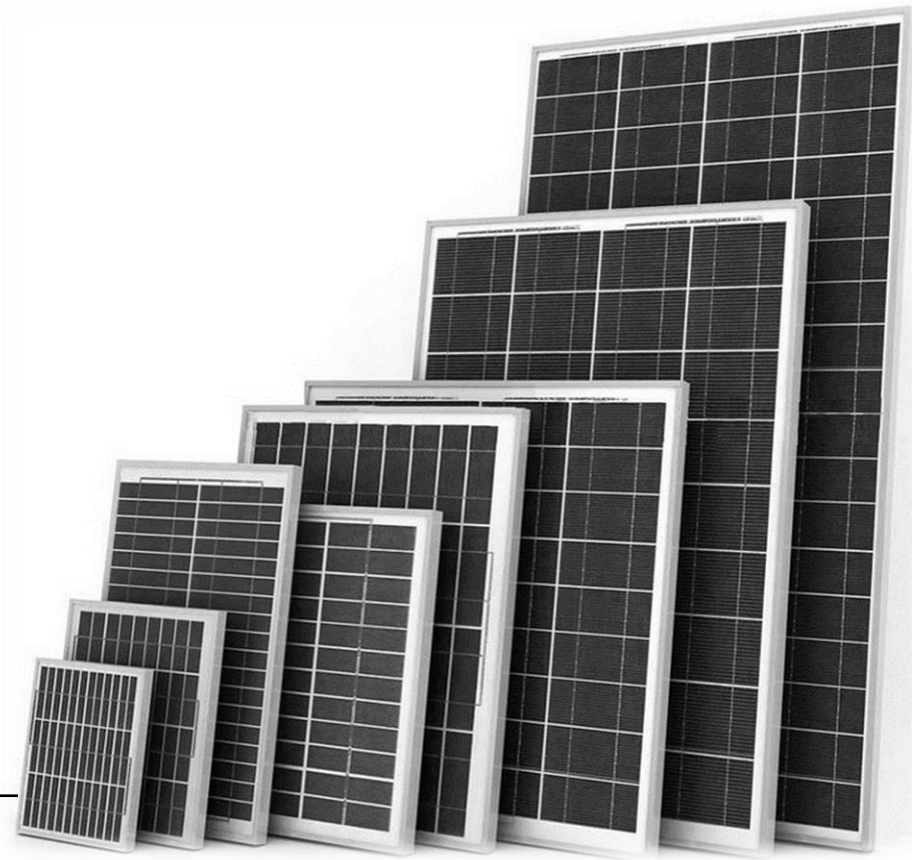
SEGMENT 1 : SOLAR MODULES

SOLAR EPOCH®

① SOLAR MODULES – OFF GRID SERIES –

Types	SUOG-01	SUOG-02	SUOG-03	SUOG-04
Pmax	20W	60W	120W	220W
Cells Array	4*9	4*9	2*12	6*8
Dimensions	539*366*25	768*664*35	1960*350*40	1324*992*35
Vmpp	17.3V	17.3V	17.3V	25.0V
Impp	1.16A	3.47A	6.94A	8.80A
Voc	21.7V	21.7V	21.5V	30.6V
Isc	1.26A	3.93A	7.75A	8.85A
Weight	2.1KG	6.2KG	12.0KG	15.0KG
System Voltage	1000V	1000V	1000V	1000V
Fuse	15A	15A	15A	15A

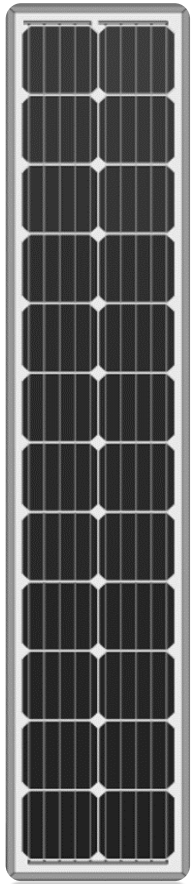
* All Solar Modules Can Be Customized – OEM/ODM Services



SOLAR EPOCH®

① SOLAR MODULE — AGRICULTURE USAGE —

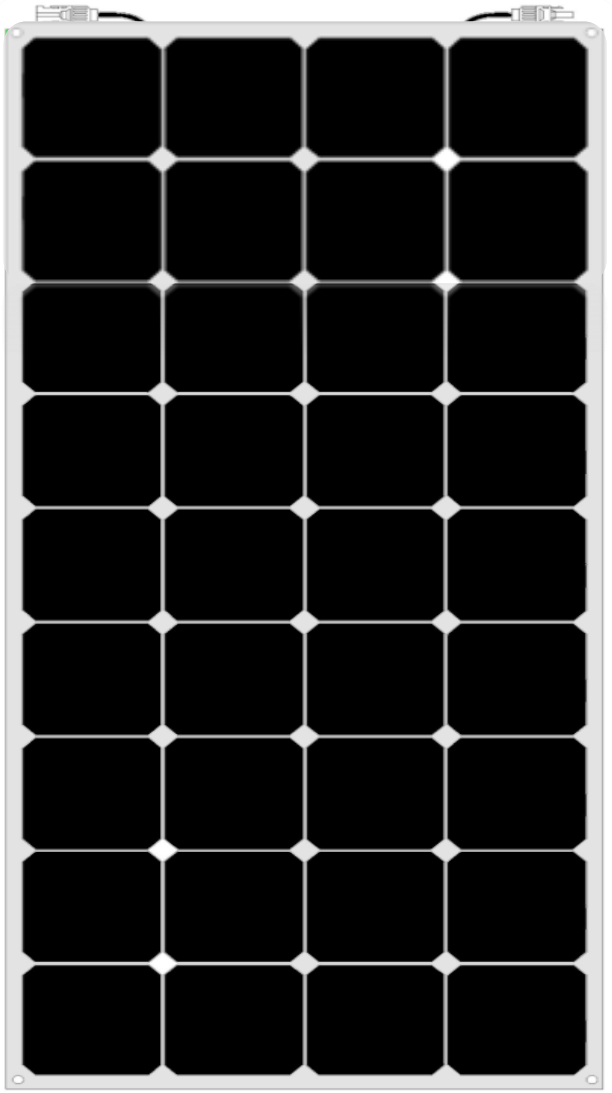
Pmax（W）	120W
Voc（V）	21.5V
Isc（A）	7.75A
VPmax（V）	17.3V
IPmax（A）	6.94A
Eff（%）	18.50%



SOLAR EPOCH®

① SOLAR MODULE — AGRICULTURE USAGE —

Pmax	120W
VMPPT	18V
IMPPT	6.6A
Size	1200*535mm
Cell Eff	23%
Thickness	2.5mm
Encapsulating Material	PET/ETFE
Weight	2.3KG



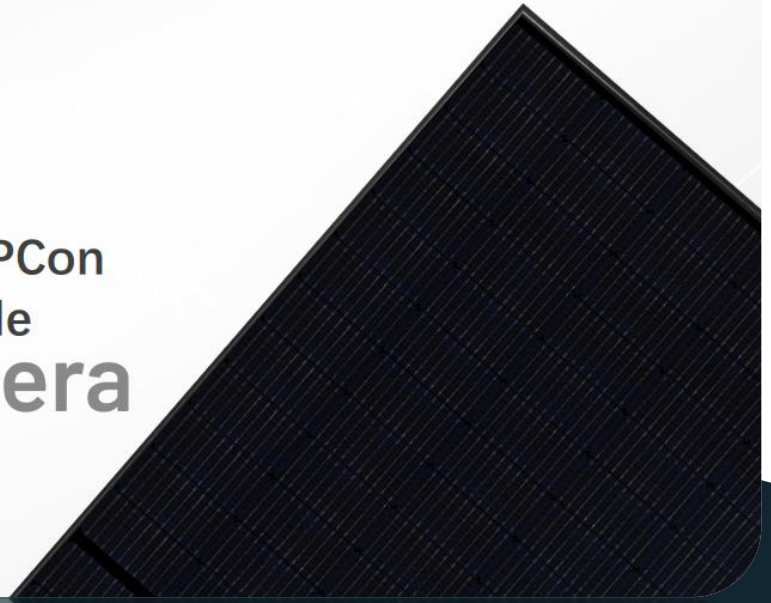
SOLAR EPOCH®

① SOLAR MODULE – AUTHORIZED AGENT – EXEPT AUSTRALIA

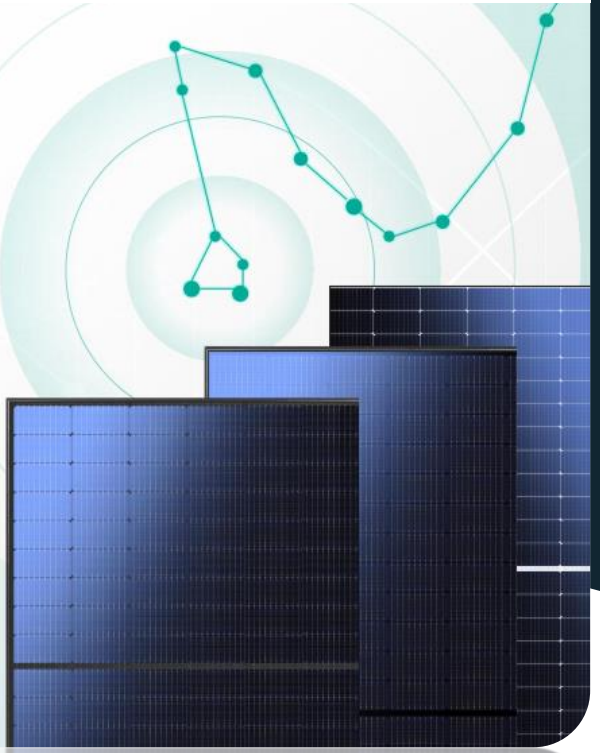
PHONO

DRACO SERIES

Launch the N N-TOPCon Module ext era



Twinplus Module Series



Authorized Agent of PHONO

SOLAR EPOCH®

① SOLAR MODULE – AUTHORIZED AGENT –

PHONO

400-420w

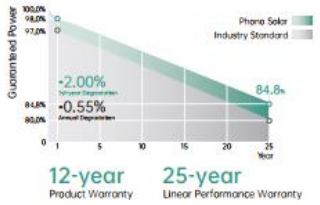
Twinplus Module Series

HIGH EFFICIENCY MONO-PERC M6-10B-R

Bloomberg NEW ENERGY FINANCE Tier1 PVEL 2023

Outstanding Product Performance

- Competitive high-temperature performance with ameliorated temperature coefficient
- Minimized power loss in cell connection
- Better performance under shading effect
- Decreased nominal operating cell temperature to 45 ± 2°C
- Higher power generation with multi-busbar and half-cut technology



Trustworthy Quality And Reliability

- Guaranteed 0~+5W positive tolerance secures reliable power output
- 5400Pa maximum snow load, 2400Pa maximum wind load
- Optimized electrical design lowers hot spot risk and operating current

PID Resistant

- Industry-leading cell processing technology and electrical design ensure solid PID resistance

MANAGEMENT SYSTEM CERTIFICATES

IEC 61215, IEC 61730

ISO 9001
2015 / Quality management system

ISO 14001
2015 / Standards for environmental management system

ISO 45001
2018 / International standards for occupational health & safety

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Electrical Typical Values

Model	1000V	PS400M6-18/VH		PS405M6-18/VH		PS410M6-18/VH		PS415M6-18/VH		PS420M6-18/VH	
	1500V	PS400M6H-18/VH		PS405M6H-18/VH		PS410M6H-18/VH		PS415M6H-18/VH		PS420M6H-18/VH	
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (Pmpp)		400	301	405	305	410	309	415	313	420	316
Rated Current (Impp)		12,97	10,46	13,06	10,54	13,15	10,61	13,24	10,68	13,33	10,75
Rated Voltage (Vmpp)		30,85	28,81	31,02	28,97	31,18	29,12	31,35	29,28	31,51	29,43
Short Circuit Current (Isc)		13,52	10,91	13,62	10,99	13,72	11,07	13,82	11,15	13,92	11,23
Open Circuit Voltage (Voc)		36,87	34,95	37,05	35,12	37,23	35,29	37,42	35,47	37,61	35,65
Module Efficiency (%)		20,48		20,74		21,00		21,25		21,51	

STC(Standard Testing Conditions): Irradiance 1000W/m², AM 1.5, Cell Temperature 25°C

NOCT (Nominal Operation Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C , Spectra at AM1.5, Wind at 1m/s

Mechanical Characteristics

Cell Type	Monocrystalline
Dimension (L × W × H)	Length: 1722mm (67,80 inch) Width: 1134mm (44,65 inch) Height: 30mm (1,18 inch)
Weight	21,5kg (47,39 lbs)
Glass	3,2mm toughened glass
Frame	Anodized Aluminium Alloy
Cable (Including Connector)	4mm² (IEC), (+): 450mm,(-): 250mm or Customized Length
Junction Box	IP 68 Rated

Temperature Ratings

Voltage Temperature Coefficient	-0,26%/°C
Current Temperature Coefficient	+0,042%/°C
Power Temperature Coefficient	-0,33%/°C
Power Tolerance	0~+3%
NOCT	45±2°C

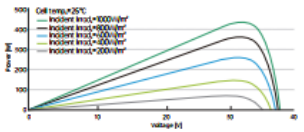
Absolute Maximum Rating

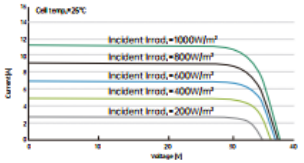
Operating Temperature	From -40 to + 85°C
Hail Diameter @ 80km/h	Up to 25mm
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Maximum Series Fuse Rating	25A
PV Module Classification	II
Fire Rating (IEC61730)	C
Maximum System Voltage	DC 1000V/1500V

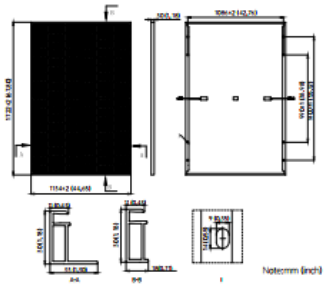
Packing Configuration

Container	20' GP	40' HQ
Pieces/Container	216	936
Pcs/Pallet	36	36
Pallets/Container	6	26

Electrical Characteristics



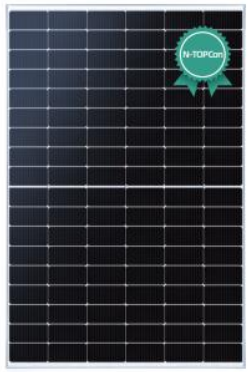




PHONO

SOLAR EPOCH®

① SOLAR MODULE – AUTHORIZED AGENT –



PHONO SOLAR EPOCH

420-440w

Draco Module Series

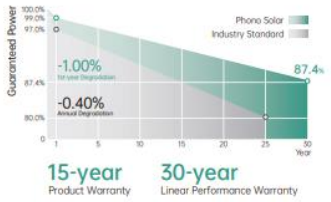
N-TOPCON HIGH EFFICIENCY MONO BM6-16B-G

Bloomberg NEW ENERGY FINANCE Tier1

Light Weight Makes It Easier to Transport and Install

Extraordinary Product Performance

- Up to 30% additional power yield benefited from bifacial technology and over 80% cell bifaciality
- Competitive high-temperature performance with ameliorated temperature coefficient
- Better weak illumination response, higher power generation with N-TOPCon technology



15-year Product Warranty

30-year Linear Performance Warranty

High Quality Reliability

- Zero Light Induced Degradation (LID), can increase power generation
- Industry-leading cell processing technology and dual glass contributes to excellent anti-PID characteristic
- First-year degradation is less than 1.0%, with linear degradation of 0.4% per year for 30 years

Wider Application Conditions

- BIPV , vertical installation , snowfield , high-humid area , windy and dusty area

MANAGEMENT SYSTEM CERTIFICATES

IEC 61215, IEC 61730

ISO 9001
2015 / Quality management system

ISO 14001
2015 / Standards for environmental management system

ISO 45001
2018 / International standards for occupational health & safety

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Electrical Typical Values

Model	1000V	PS420M8GF-18/VNH		PS425M8GF-18/VNH		PS430M8GF-18/VNH		PS435M8GF-18/VNH		PS440M8GF-18/VNH	
	1500V	PS420M8GFH-18/VNH		PS425M8GFH-18/VNH		PS430M8GFH-18/VNH		PS435M8GFH-18/VNH		PS440M8GFH-18/VNH	
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (Pmpp)		420	322	425	325	430	329	435	333	440	337
Rated Current (Impp)		13.18	10.62	13.24	10.66	13.30	10.71	13.36	10.76	13.42	10.81
Rated Voltage (Vmpp)		31.87	30.30	32.10	30.52	32.34	30.74	32.56	30.95	32.79	31.17
Short Circuit Current (Isc)		13.83	11.14	13.89	11.19	13.95	11.24	14.04	11.31	14.11	11.36
Open Circuit Voltage (Voc)		38.44	36.81	38.73	37.08	39.03	37.37	39.32	37.65	39.61	37.93
Module Efficiency (%)		21.51		21.76		22.02		22.28		22.53	

STC (Standard Testing Conditions): Irradiance 1000W/m², AM 1.5, Cell Temperature 25°C

NOCT (Nominal Operation Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C , Spectra at AM1.5, Wind at 1m/s

BSTC

Maximum Power (Pmax)	460	465	470	475	480
Optimum Operating Current (Impp)	14.43	14.49	14.53	14.59	14.64
Optimum Operating Voltage (Vmpp)	31.87	32.10	32.34	32.56	32.79
Short Circuit Current (Isc)	15.15	15.20	15.24	15.29	15.34
Open Circuit Voltage (Voc)	38.44	38.73	39.03	39.32	39.61

BSTC:Front Side Irradiation 1000W/m², Back Side Reflection Irradiation 135W/m² , AM 1.5, Ambient Temperature 25℃

Mechanical Characteristics

Cell Type	N Type Monocrystalline
Dimension (L × W × H)	Length: 1722mm (67.80 inch) Width: 1154mm (44.65 inch) Height: 30mm (1.18 inch)
Weight	21.0kg (46.30 lbs)
Glass	1.6mm/1.6mm toughened glass
Frame	Anodized Aluminium Alloy
Cable (Including Connector)	4mm² (IEC), (+): 450mm,(-): 250mm or Customized Length
Junction Box	IP 68 Rated

Temperature Ratings

Voltage Temperature Coefficient	-0.25%/℃
Current Temperature Coefficient	+0.04%/℃
Power Temperature Coefficient	-0.29%/℃
Power Tolerance	0~+3%
NOCT	42±2℃
Bifaciality	80±5%

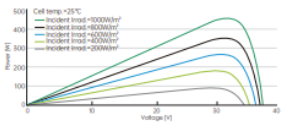
Absolute Maximum Rating

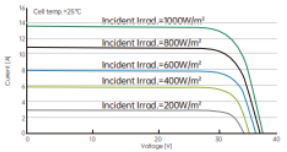
Operating Temperature	From -40 to + 85℃
Hail Diameter @ 80km/h	Up to 25mm
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Maximum Series Fuse Rating	30A
PV Module Classification	II
Fire Rating (IEC61730)	C
Maximum System Voltage	DC 1000V/1500V

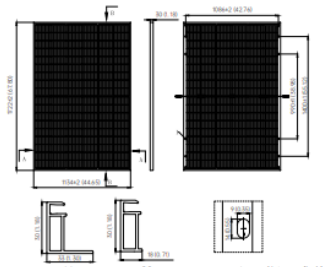
Packing Configuration

Container	20' GP	40' HQ
Pieces/Container	216	936
Pcs/Pallet	36	36
Pallets/Container	6	26

Electrical Characteristics







SUMEC PHONO

SOLAR EPOCH®

① SOLAR MODULE – AUTHORIZED AGENT –

PHONO

535-555w

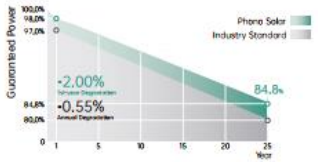
Twinplus Module Series

HIGH EFFICIENCY MONO-PERC M6-10B-R

Bloomberg NEW ENERGY FINANCE Tier1 2023 PVEL

Outstanding Product Performance

- Competitive high-temperature performance with ameliorated temperature coefficient
- Minimized power loss in cell connection
- Better performance under shading effect
- Decreased nominal operating cell temperature to 45 ± 2°C
- Higher power generation with multi-busbar and half-cut technology



12-year Product Warranty

25-year Linear Performance Warranty

Trustworthy Quality And Reliability

- Guaranteed 0~+5W positive tolerance secures reliable power output
- 5400Pa maximum snow load, 2400Pa maximum wind load
- Optimized electrical design lowers hot spot risk and operating current

PID Resistant

- Industry-leading cell processing technology and electrical design ensure solid PID resistance

MANAGEMENT SYSTEM CERTIFICATES

IEC 61215, IEC 61730

ISO 9001
2015 / Quality management system

ISO 14001
2015 / Standards for environmental management system

ISO 45001
2018 / International standards for occupational health & safety

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Electrical Typical Values

Model	1000V	PS535M6-24/TH		PS540M6-24/TH		PS545M6-24/TH		PS550M6-24/TH		PS555M6-24/TH	
	1500V	PS535M6H-24/TH		PS540M6H-24/TH		PS545M6H-24/TH		PS550M6H-24/TH		PS555M6H-24/TH	
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (Pmpp)		535	405	540	407	545	411	550	414	555	418
Rated Current (Impp)		12,97	10,46	13,06	10,54	13,15	10,61	13,24	10,68	13,33	10,75
Rated Voltage (Vmpp)		41,25	38,53	41,35	38,62	41,45	38,71	41,55	38,80	41,64	38,89
Short Circuit Current (Isc)		13,52	10,91	13,62	10,99	13,72	11,07	13,82	11,15	13,92	11,25
Open Circuit Voltage (Voc)		49,29	46,73	49,39	46,82	49,49	46,92	49,59	47,01	49,69	47,11
Module Efficiency (%)		20,71		20,90		21,10		21,29		21,48	

STC(Standard Testing Conditions): Irradiance 1000W/m², AM 1.5, Cell Temperature 25°C

NOCT (Nominal Operation Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C , Spectra at AM1.5, Wind at 1m/s

Mechanical Characteristics

Cell Type	Monocrystalline
Dimension (L × W × H)	Length: 2278mm (89,69 inch) Width: 1134mm (44,65 inch) Height: 35mm (1,38 inch)
Weight	28,0kg (61,72 lbs)
Glass	3,2mm toughened glass
Frame	Anodized Aluminium Alloy
Cable (Including Connector)	4mm² (IEC), (+): 450mm,(-): 250mm or Customized Length
Junction Box	IP 68 Rated

Temperature Ratings

Voltage Temperature Coefficient	-0,26%/°C
Current Temperature Coefficient	+0,042%/°C
Power Temperature Coefficient	-0,33%/°C
Power Tolerance	0~+3%
NOCT	45±2°C

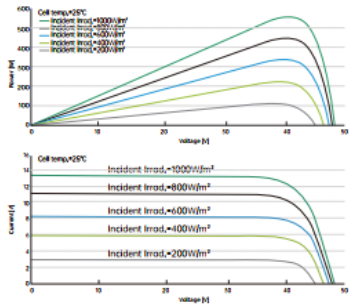
Absolute Maximum Rating

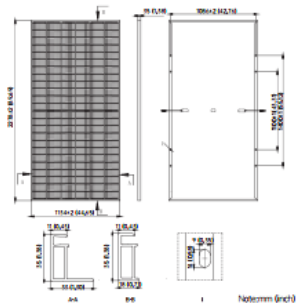
Operating Temperature	From -40 to + 85°C
Hail Diameter @ 80km/h	Up to 25mm
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Maximum Series Fuse Rating	25A
PV Module Classification	II
Fire Rating (IEC61730)	C
Maximum System Voltage	DC 1000V/1500V

Packing Configuration

Container	20' GP	40' HQ
Pieces/Container	155	620
Pcs/Pallet	31	31
Pallets/Container	5	20

Electrical Characteristics





PHONO

SOLAR EPOCH®

① SOLAR MODULE – AUTHORIZED AGENT –

PHONO SOLAR EPOCH

615-635w

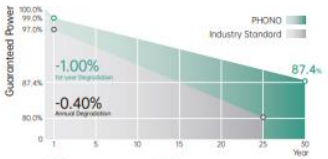
Draco Module Series

N-TOPCON HIGH EFFICIENCY MONO BM6-16B-G

Bloomberg NEW ENERGY FINANCE Tier1

Extraordinary Product Performance

- Up to 30% additional power yield benefited from bifacial technology and over 80% cell bifaciality
- Competitive high-temperature performance with ameliorated temperature coefficient
- Better weak illumination response, higher power generation with N-TOPCon technology



15-year Product Warranty

30-year Linear Performance Warranty

Higher Quality Reliability

- Zero Light Induced Degradation(LID), can increase power generation
- Industry-leading cell processing technology and dual glass contributes to excellent anti-PID characteristic
- First-year degradation is less than 1.0%, with linear degradation of 0.4% per year for 30 years

Wider Application Conditions

- BIPV, vertical installation, snowfield, high-humid area, windy and dusty area
- Safer and easier handling during transportation and installation

MANAGEMENT SYSTEM CERTIFICATES

IEC 61215, IEC 61730

ISO 9001
2015 / Quality management system

ISO 14001
2015 / Standards for environmental management system

ISO 45001
2018 / International standards for occupational health & safety

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Electrical Typical Values

Model	PS615M8GFH-26/RNH		PS620M8GFH-26/RNH		PS625M8GFH-26/RNH		PS630M8GFH-26/RNH		PS635M8GFH-26/RNH	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (Pmpp)	615	471	620	475	625	479	630	482	635	486
Rated Current (Impp)	13.44	10.82	13.50	10.87	13.56	10.92	13.62	10.97	13.68	11.02
Rated Voltage (Vmpp)	45.76	43.50	45.93	43.66	46.09	43.82	46.26	43.98	46.32	44.13
Short Circuit Current (Isc)	14.11	11.36	14.19	11.43	14.27	11.49	14.35	11.56	14.42	11.61
Open Circuit Voltage (Voc)	55.46	53.10	55.60	53.24	55.74	53.37	55.88	53.51	56.01	53.63
Module Efficiency (%)	22.00		22.18		22.36		22.54		22.72	

STC (Standard Testing Conditions): Irradiance 1000W/m², AM 1.5, Cell Temerature 25°C

NOCT (Nominal Operation Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C , Spectra at AM1.5, Wind at 1m/s

BSTC

Maximum Power (Pmax)	675	680	685	690	695
Optimum Operating Current (Impp)	14.75	14.81	14.86	14.92	15.00
Optimum Operating Voltage (Vmpp)	45.76	45.93	46.09	46.26	46.32
Short Circuit Current (Isc)	15.41	15.48	15.56	15.63	15.71
Open Circuit Voltage (Voc)	55.46	55.60	55.74	55.88	56.01

BSTC:Front side irradiation 1000W/m², back side reflection irradiation 135W/m² , AM 1.5, ambient temperature 25°C

Mechanical Characteristics

Cell Type	N Type Monocrystalline
Dimension (L × W × H)	Length: 2465mm (97.05 inch) Width: 1134mm (44.65 inch) Height: 35mm (1.38 inch)
Weight	35.0kg (77.16 lbs)
Glass	2.0mm/2.0mm toughened glass
Frame	Anodized Aluminium Alloy
Cable (Including Connector)	4mm² (IEC), (+): 450mm,(-): 250mm or Customized Length

Temperature Ratings

Voltage Temperature Coefficient	-0.25%/°C
Current Temperature Coefficient	+0.04%/°C
Power Temperature Coefficient	-0.29%/°C
Power Tolerance	0~+3%
NOCT	42±2°C
Bifaciality	80±5%

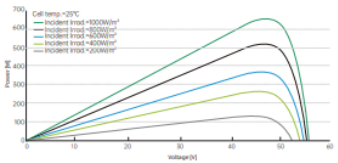
Absolute Maximum Rating

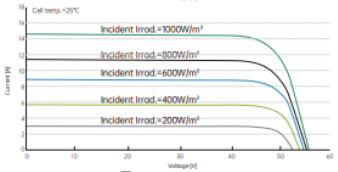
Operating Temperature	From -40 to + 85°C
Hail Diameter @ 80km/h	Up to 25mm
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Maximum Series Fuse Rating	30A
PV Module Classification	II
Fire Rating (IEC61730)	C
Maximum System Voltage	DC 1500V

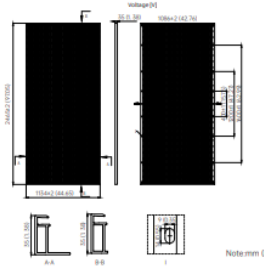
Packing Configuration

Container	40' HQ
Pieces/Container	558
Pcs/Pallet	31
Pallets/Container	18

Electrical Characteristics







Note:mm (inch)

SUMEC PHONO

SOLAR EPOCH®

① SOLAR MODULE – AUTHORIZED AGENT – AUSTRALIA

Authorized Agent of JINERGY

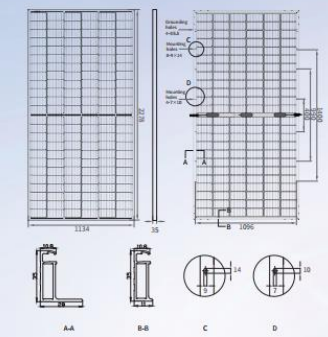
SOLAR EPOCH®

① SOLAR MODULE – AUTHORIZED AGENT –

High power PERC bifacial solar module

JNMM144-535~555

ENGINEERING DRAWING



MECHANICAL PARAMETERS

Cell (mm)	182*91 PERC
Dimensions (L*W*H) (mm)	2278*1134*35
Weight (kg)	27.2
Cable Cross Section Size (mm²)	4
No. of Cells & Connections	144(6*24)
No. of Diodes	3
Frame	Anodized Aluminium Alloy
Glass Thickness (mm)	3.2

QUALIFICATION

Temperature Cycling Range (℃)	-40~+85
Max. Series Fuse Rating (A)	30
Max.Wind Load/Max.Snow Load (Pa)	2400/5400
Hot Spot Rate	100% Free
Fire Rating	Class C
Junction Box & Connector Protection Grade	IP68
Bifacial Factor(%)	70±5

TEMPERATURE COEFFICIENTS

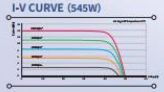
Nominal Module Operating Temperature (NMOT)	43±2℃
Temperature Coefficient Voltage (Voc)	-0.29 %/℃
Temperature Coefficient Current (Isc)	0.04 %/℃
Temperature Coefficient Power (Pm)	-0.34 %/℃

ELECTRICAL PARAMETERS

Module Type (1500V DC)		JNMM144-535	JNMM144-540	JNMM144-545	JNMM144-550	JNMM144-555
STC AM1.5 1000W/m² Cell Temperature 25℃	Max. Power at STC (Pmpp/W)	535	540	545	550	555
	Output Tolerance (W)	0~+5	0~+5	0~+5	0~+5	0~+5
	Max. Power Voltage (Vmp/V)	41.28	41.54	41.76	41.98	42.20
	Max. Power Current (Imp/A)	12.97	13.00	13.06	13.12	13.17
	Open Circuit Voltage (Voc/V)	49.12	49.43	49.70	49.97	50.24
	Short Circuit Current (Isc/A)	13.79	13.83	13.88	13.93	13.98
	Module Efficiency (%)	20.71	20.90	21.10	21.29	21.48
With Different Power Generation Gain (Regarding 545W as an example)	Backside Power Gain	10%		20%		30%
	Max. Power (Pmpp/W)	599.5		654		708.5
	Max. Power Voltage (Vmp/V)	41.75		41.77		41.75
	Max. Power Current (Imp/A)	14.36		15.66		16.97
	Open Circuit Voltage (Voc/V)	49.70		49.70		49.70
	Short Circuit Current (Isc/A)	15.26		16.65		18.03
	Module Efficiency (%)	23.21		25.32		27.43

*Measurement tolerance: Pmax:±3%, Voc:±3%, Isc:±3%

I-V CURVE (545W)



PACKING CONFIGURATION

Pieces Per Pallet	31
Pallets Per Container	20
Pieces Per Container	620

	Default	Optional
Connector Type	☐ MC4 Compatible	☐ MC4
Cable Length	☐ 400mm/300mm	☐ Customized
Frame Color	☐ Silver	☐ Black

12-year Product materials and workmanship quality warranty

Output power

The 1st year	The 12th year	The 25th year
>98.00%	>91.95%	>84.80%

TUV:IEC/EN 61215, IEC/EN 61730
GB/T 19001-2016/ ISO 9001:2015
GB/T 24001-2016/ ISO 14001:2015
GB/T 45001-2020/ ISO 45001:2018
CNAS-CL01: ISO/IEC 17025:2017

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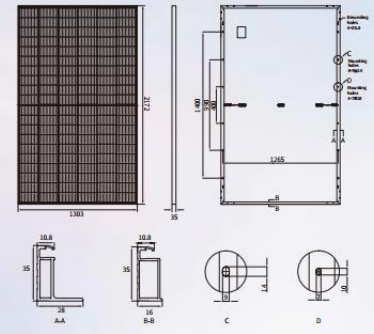
Super high power PERC solar module

JNMM120-600~610

ENGINEERING DRAWING



MECHANICAL PARAMETERS

Cell (mm)	210*105 PERC
Dimensions (L*W*H) (mm)	2172*1303*35
Weight (kg)	30.0
Cable Cross Section Size (mm²)	4
No. of Cells & Connections	120(6*20)
No. of Diodes	3
Frame	Anodized Aluminium Alloy
Glass Thickness (mm)	3.2
Connector Type	PV-JN01/PV-KST4-EVO 2/xy_UR,PV-KBT4-EVO2/xy_UR

QUALIFICATION

Temperature Cycling Range (℃)	-40~+85
Max. Series Fuse Rating (A)	30
Max.Wind Load/Max.Snow Load (Pa)	2400/5400
Fire Rating	Class C
Junction Box & Connector Protection Grade	IP68

TEMPERATURE COEFFICIENTS

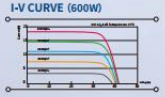
Nominal Module Operating Temperature (NMOT)	43±2℃
Temperature Coefficient Voltage (Voc)	-0.29 %/℃
Temperature Coefficient Current (Isc)	0.04 %/℃
Temperature Coefficient Power (Pm)	-0.34 %/℃

ELECTRICAL PARAMETERS

Module Type (1500V DC)		JNMM120-600	JNMM120-605	JNMM120-610
STC AM1.5 1000W/m² Cell Temperature 25℃	Max. Power at STC (Pmpp/W)	600	605	610
	Output Tolerance (W)	0~+5	0~+5	0~+5
	Max. Power Voltage (Vmp/V)	34.40	34.60	34.80
	Max. Power Current (Imp/A)	17.44	17.49	17.54
	Open Circuit Voltage (Voc/V)	41.50	41.70	41.90
	Short Circuit Current (Isc/A)	18.52	18.57	18.62
	Module Efficiency (%)	21.20	21.38	21.55
NMOT AM1.5 800W/m² Ambient Temperature 20℃ Wind Speed 1m/s	Max. Power (Pmpp/W)	453.9	457.7	461.5
	Max. Power Voltage (Vmp/V)	32.53	32.71	32.89
	Max. Power Current (Imp/A)	13.95	13.99	14.03
	Open Circuit Voltage (Voc/V)	39.18	39.37	39.56
	Short Circuit Current (Isc/A)	14.91	14.95	14.99

*Measurement tolerance: Pmax:±3%, Voc:±3%, Isc:±3%

I-V CURVE (600W)



PACKING CONFIGURATION

Pieces Per Pallet	31
Pallets Per Container	18
Pieces Per Container	558

	Default	Optional
Cable Length	☐ 400mm/300mm	☐ Customized
Frame Color	☐ Silver	☐ Black

15-year Product materials and workmanship quality warranty

Output power

The 1st year	The 15th year	The 25th year
>98.00%	>90.30%	>84.80%

TUV:IEC/EN 61215, IEC/EN 61730
GB/T 19001-2016/ ISO 9001:2015
GB/T 24001-2016/ ISO 14001:2015
GB/T 45001-2020/ ISO 45001:2018
CNAS-CL01: ISO/IEC 17025:2017

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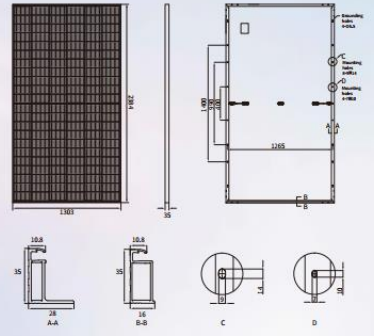
Super high power PERC solar module

JNMM132-660~675

ENGINEERING DRAWING



MECHANICAL PARAMETERS

Cell (mm)	210*105 PERC
Dimensions (L*W*H) (mm)	2384*1303*35
Weight (kg)	32.5
Cable Cross Section Size (mm²)	4
No. of Cells & Connections	132(6*22)
No. of Diodes	3
Frame	Anodized Aluminium Alloy
Glass Thickness (mm)	3.2
Connector Type	PV-JN01/PV-KST4-EVO 2/xy_UR,PV-KBT4-EVO2/xy_UR

QUALIFICATION

Temperature Cycling Range (℃)	-40~+85
Max. Series Fuse Rating (A)	30
Max.Wind Load/Max.Snow Load (Pa)	2400/5400
Fire Rating	Class C
Junction Box & Connector Protection Grade	IP68

TEMPERATURE COEFFICIENTS

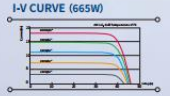
Nominal Module Operating Temperature (NMOT)	43±2℃
Temperature Coefficient Voltage (Voc)	-0.29 %/℃
Temperature Coefficient Current (Isc)	0.04 %/℃
Temperature Coefficient Power (Pm)	-0.34 %/℃

ELECTRICAL PARAMETERS

Module Type (1500V DC)		JNMM132-660	JNMM132-665	JNMM132-670	JNMM132-675
STC AM1.5 1000W/m² Cell Temperature 25℃	Max. Power at STC (Pmpp/W)	660	665	670	675
	Output Tolerance (W)	0~+5	0~+5	0~+5	0~+5
	Max. Power Voltage (Vmp/V)	37.85	38.02	38.20	38.38
	Max. Power Current (Imp/A)	17.44	17.49	17.54	17.59
	Open Circuit Voltage (Voc/V)	45.65	45.87	46.09	46.30
	Short Circuit Current (Isc/A)	18.52	18.57	18.62	18.67
	Module Efficiency (%)	21.25	21.41	21.57	21.73
NMOT AM1.5 800W/m² Ambient Temperature 20℃ Wind Speed 1m/s	Max. Power (Pmpp/W)	499.3	503.1	506.8	510.6
	Max. Power Voltage (Vmp/V)	35.79	35.95	36.12	36.29
	Max. Power Current (Imp/A)	13.95	13.99	14.03	14.07
	Open Circuit Voltage (Voc/V)	43.10	43.30	43.51	43.71
	Short Circuit Current (Isc/A)	14.91	14.95	14.99	15.03

*Measurement tolerance: Pmax:±3%, Voc:±3%, Isc:±3%

I-V CURVE (665W)



PACKING CONFIGURATION

Pieces Per Pallet	31
Pallets Per Container	18
Pieces Per Container	558

	Default	Optional
Cable Length	☐ 400mm/300mm	☐ Customized
Frame Color	☐ Silver	☐ Black

15-year Product materials and workmanship quality warranty

Output power

The 1st year	The 15th year	The 25th year
>98.00%	>90.30%	>84.80%

TUV:IEC/EN 61215, IEC/EN 61730
GB/T 19001-2016/ ISO 9001:2015
GB/T 24001-2016/ ISO 14001:2015
GB/T 45001-2020/ ISO 45001:2018
CNAS-CL01: ISO/IEC 17025:2017

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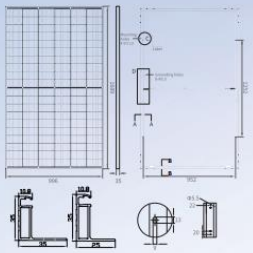
SOLAR EPOCH®

① SOLAR MODULE – AUTHORIZED AGENT –

High efficiency mono solar module

JNMM120-330~335



MECHANICAL PARAMETERS

Cell (mm)	158.75*79.375 Mono
Dimensions (L*W*H) (mm)	1684*1002*35/40 1689*996*35/40
Weight (kg)	18.1/18.4 18.1/18.4
Cable Cross Section Size (mm²)	4
Cable Length (mm)	Positive 295 / Negative 145
No. of Cells & Connections	120(6*20)
No. of Diodes	3
Type of Connector	PV-JN01/PV-KST4-EVO 2/xy_UR,PV-KBT4-EVO2/xy_UR

QUALIFICATION

Max. System Voltage (V DC)	1500
Temperature Cycling Range (℃)	-40~+85
Max. Series Fuse Rating (A)	20
Max. Wind Load / Max. Snow Load (Pa)	2400 / 5400
Fire Rating	Class C
Junction Box & Connector Protection Grade	IP68

TEMPERATURE COEFFICIENTS

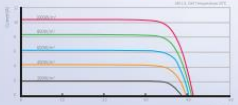
Nominal Module Operating Temperature (NMOT)	43±2℃
Temperature Coefficient Voltage (Voc)	-0.29 %/℃
Temperature Coefficient Current (Isc)	0.04 %/℃
Temperature Coefficient Power (Pm)	-0.37 %/℃

ELECTRICAL PARAMETERS

Module Type		JNMM120-330	JNMM120-335
STC AM1.5 1000W/m² Cell Temperature 25℃	Max. Power at STC (Pmpp/W)	330	335
	Output Tolerance (W)	0~+5	0~+5
	Max. Power Voltage (Vmp/V)	33.43	33.70
	Max. Power Current (Imp/A)	9.87	9.94
	Open Circuit Voltage (Voc/V)	41.22	41.56
	Short Circuit Current (Isc/A)	10.29	10.36
	Module Efficiency (%)	19.6	19.9
NMOT AM1.5 800W/m² Ambient Temperature 20℃ Wind Speed 1m/s	Max. Power at NMOT (Pmpp/W)	248.4	252.1
	Max. Power Voltage (Vmp/V)	31.46	31.71
	Max. Power Current (Imp/A)	7.90	7.95
	Open Circuit Voltage (Voc/V)	38.92	39.24
	Short Circuit Current (Isc/A)	8.28	8.34

* Measurement tolerance: Pmax:±3%, Voc:±3%, Isc:±5%.

I-V CURVE(335W)



PACKING CONFIGURATION

Container (High cube)

Pieces Per Pallet	31/27/31/27
Pallets Per Stack	2
Extra Pieces Per Stack	4
Stacks Per Container	13
Pieces Per Container	858/754/858/754

TUV:IEC/EN 61215, IEC/EN 61730
GB/T 19001-2016/ ISO 9001:2015
GB/T 24001-2016/ ISO 14001:2015
GB/T 45001-2020/ ISO 45001:2018
CHAS-CL01: ISO/IEC 17025:2017

15-year Product materials and workmanship quality warranty

Output power

The 1st year	The 15th year	The 25th year
>98.00%	>90.30%	>84.80%

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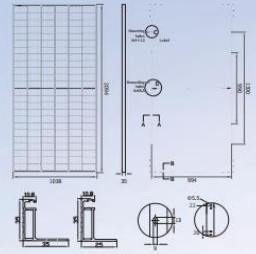
High efficiency mono solar module

JNMM144-445~455



MECHANICAL PARAMETERS

Cell (mm)	166*83 Mono
Dimensions (L*W*H) (mm)	2094*1038*35/40 2108*1048*35/40
Weight (kg)	23.3/23.6 23.5/23.8
Cable Cross Section Size (mm²)	4
Cable Length (mm)	Positive 295 / Negative 145
No. of Cells & Connections	144(6*24)
No. of Diodes	3
Type of Connector	PV-JN01/PV-KST4-EVO 2/xy_UR,PV-KBT4-EVO2/xy_UR

QUALIFICATION

Max. System Voltage (V DC)	1500
Temperature Cycling Range (℃)	-40~+85
Max. Series Fuse Rating (A)	20
Max. Wind Load / Max. Snow Load (Pa)	2400 / 5400
Fire Rating	Class C
Junction Box & Connector Protection Grade	IP68

TEMPERATURE COEFFICIENTS

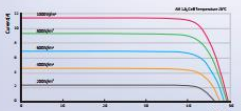
Nominal Module Operating Temperature (NMOT)	43±2℃
Temperature Coefficient Voltage (Voc)	-0.29 %/℃
Temperature Coefficient Current (Isc)	0.04 %/℃
Temperature Coefficient Power (Pm)	-0.37 %/℃

ELECTRICAL PARAMETERS

Module Type		JNMM144-445	JNMM144-450	JNMM144-455
STC AM1.5 1000W/m² Cell Temperature 25℃	Max. Power at STC (Pmpp/W)	445	450	455
	Output Tolerance (W)	0~+5	0~+5	0~+5
	Max. Power Voltage (Vmp/V)	41.16	41.36	41.56
	Max. Power Current (Imp/A)	10.82	10.89	10.96
	Open Circuit Voltage (Voc/V)	49.78	49.98	50.18
	Short Circuit Current (Isc/A)	11.42	11.50	11.58
	Module Efficiency (%)	20.5	20.7	20.9
NMOT AM1.5 800W/m² Ambient Temperature 20℃ Wind Speed 1m/s	Max. Power at NMOT (Pmpp/W)	334.9	338.7	342.5
	Max. Power Voltage (Vmp/V)	38.69	38.88	39.06
	Max. Power Current (Imp/A)	8.66	8.71	8.77
	Open Circuit Voltage (Voc/V)	47.00	47.18	47.37
	Short Circuit Current (Isc/A)	9.19	9.26	9.32

* Measurement tolerance: Pmax:±3%, Voc:±3%, Isc:±5%.

I-V CURVE(450W)



PACKING CONFIGURATION

Container (High cube)

Pieces Per Pallet	31/27/31/27
Pallets Per Stack	2
Stacks Per Container	11
Pieces Per Container	682/594/682/594

TUV:IEC/EN 61215, IEC/EN 61730
GB/T 19001-2016/ ISO 9001:2015
GB/T 24001-2016/ ISO 14001:2015
GB/T 45001-2020/ ISO 45001:2018
CHAS-CL01: ISO/IEC 17025:2017

15-year Product materials and workmanship quality warranty

Output power

The 1st year	The 15th year	The 25th year
>98.00%	>90.30%	>84.80%

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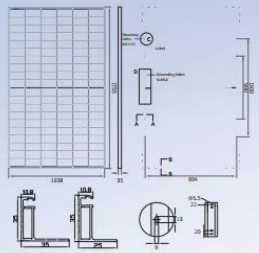
High efficiency mono solar module

JNMM120-365~375



MECHANICAL PARAMETERS

Cell (mm)	166*83 Mono
Dimensions (L*W*H) (mm)	1755*1038*35/40 1765*1048*35/40
Weight (kg)	19.5/19.8 19.6/19.9
Cable Cross Section Size (mm²)	4
Cable Length (mm)	Positive 295 / Negative 145
No. of Cells & Connections	120(6*20)
No. of Diodes	3
Type of Connector	PV-JN01/PV-KST4-EVO 2/xy_UR,PV-KBT4-EVO2/xy_UR

QUALIFICATION

Max. System Voltage (V DC)	1500
Temperature Cycling Range (℃)	-40~+85
Max. Series Fuse Rating (A)	20
Max. Wind Load / Max. Snow Load (Pa)	2400 / 5400
Fire Rating	Class C
Junction Box & Connector Protection Grad	IP68

TEMPERATURE COEFFICIENTS

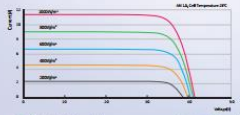
Nominal Module Operating Temperature (NMOT)	43±2℃
Temperature Coefficient Voltage (Voc)	-0.29 %/℃
Temperature Coefficient Current (Isc)	0.04 %/℃
Temperature Coefficient Power (Pm)	-0.37 %/℃

ELECTRICAL PARAMETERS

Module Type		JNMM120-365	JNMM120-370	JNMM120-375
STC AM1.5 1000W/m² Cell Temperature 25℃	Max. Power at STC (Pmpp/W)	365	370	375
	Output Tolerance (W)	0~+5	0~+5	0~+5
	Max. Power Voltage (Vmp/V)	33.89	34.08	34.28
	Max. Power Current (Imp/A)	10.77	10.86	10.95
	Open Circuit Voltage (Voc/V)	41.10	41.30	41.50
	Short Circuit Current (Isc/A)	11.28	11.37	11.46
	Module Efficiency (%)	20.0	20.3	20.6
NMOT AM1.5 800W/m² Ambient Temperature 20℃ Wind Speed 1m/s	Max. Power at NMOT (Pmpp/W)	274.7	278.5	282.2
	Max. Power Voltage (Vmp/V)	31.88	32.05	32.22
	Max. Power Current (Imp/A)	8.62	8.69	8.76
	Open Circuit Voltage (Voc/V)	38.80	38.99	39.18
	Short Circuit Current (Isc/A)	9.08	9.15	9.23

* Measurement tolerance: Pmax:±3%, Voc:±3%, Isc:±5%.

I-V CURVE(370W)



PACKING CONFIGURATION

Container (High cube)

Pieces Per Pallet	31/27/31/27
Pallets Per Stack	2
Stacks Per Container	13
Pieces Per Container	806/702/806/702

TUV:IEC/EN 61215, IEC/EN 61730
GB/T 19001-2016/ ISO 9001:2015
GB/T 24001-2016/ ISO 14001:2015
GB/T 45001-2020/ ISO 45001:2018
CHAS-CL01: ISO/IEC 17025:2017

15-year Product materials and workmanship quality warranty

Output power

The 1st year	The 15th year	The 25th year
>98.00%	>90.30%	>84.80%

CAUTION: The electrical parameters in this product datasheet do not refer to only one module. Read safety and installation instructions before using the product.
The contents of this specification are for reference only and are subject to change without notice. Jinergy reserves the right of final interpretation.made in China.
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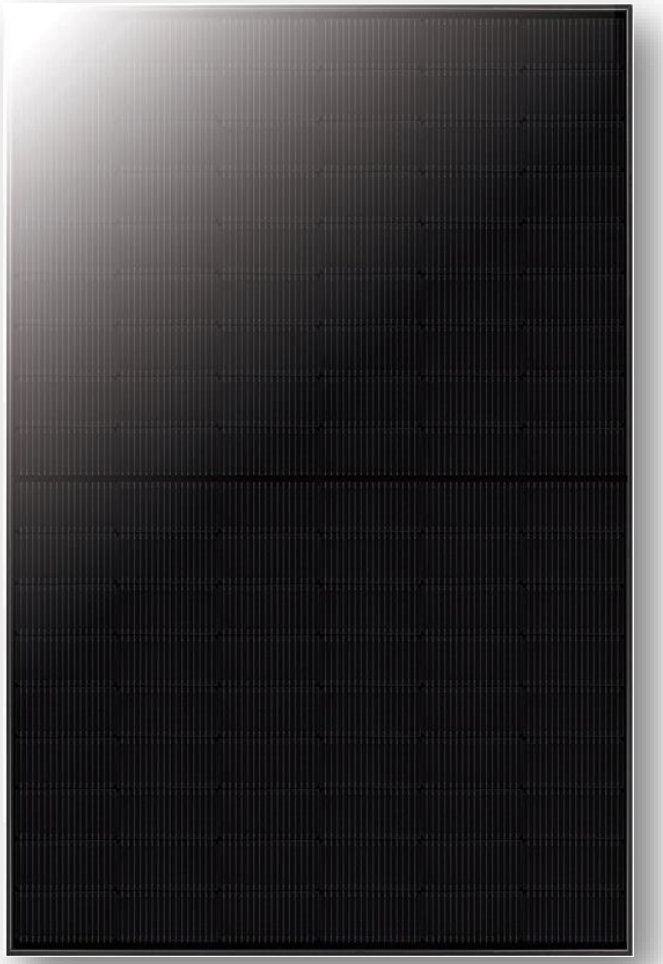
SOLAR EPOCH®

① SOLAR MODULE – RESIDENTIAL USAGE –

Suitable For Residential Rooftop Installation & Extraordinary Product Performance

- Up to 30% additional power yield benefited from bifacial technology and up over 80% cell bifaciality
- Competitive high-temperature performance with ameliorated tempera-ture coefficient
- Better weak illumination response, higher power generation with N-type technology

N-Topcon Module



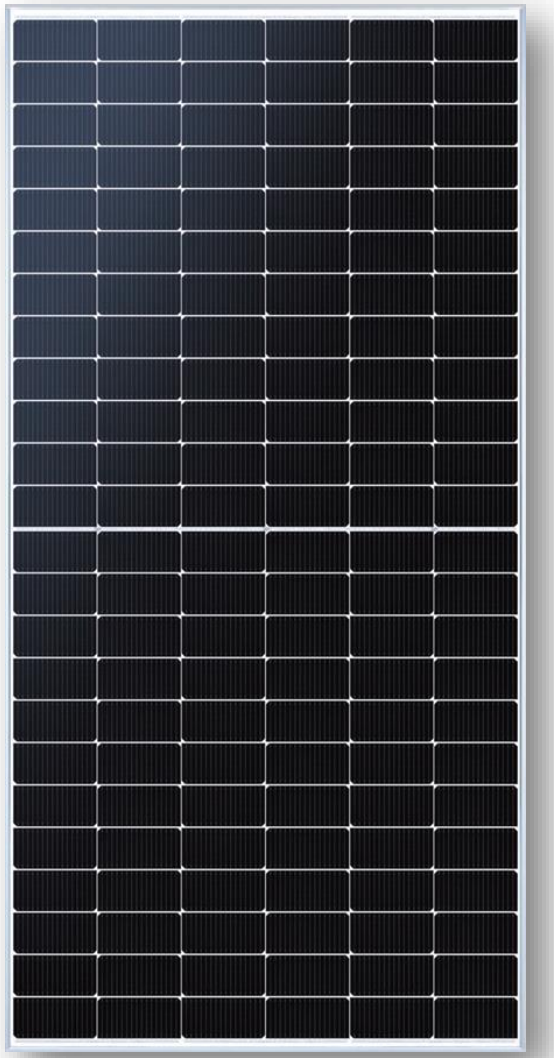
Pmax（W）	430W
Voc（V）	39.03V
Isc（A）	13.95A
VPmax（V）	32.34V
IPmax（A）	13.03A
Eff（%）	22.02%

SOLAR EPOCH®

① SOLAR MODULE — COMMERCIAL USAGE —

Pmax	570W	575W	580W
Voc	51.25V	51.49V	51.73V
Isc	13.83A	13.89A	13.95A
Vmpp	42.49V	42.68V	42.86V
Impp	13.18A	13.24A	7.75A

- Zero Light Induced Degradation(LID),can increase power generation Encapsulation with POE and dual glass (2.0mm) contributes to excellent anti-PID characteristic
- First-year degradation is less than 1.0%, with linear degradation of 0.4% per year for 30 years



Higher Quality Reliability

SOLAR EPOCH®

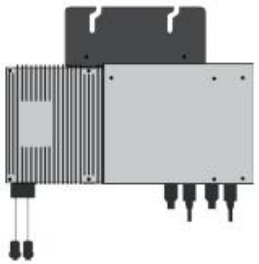
SEGMENT 2 : BALCONY SOLAR

SOLAR EPOCH®

② BALCONY SOLAR

①

②

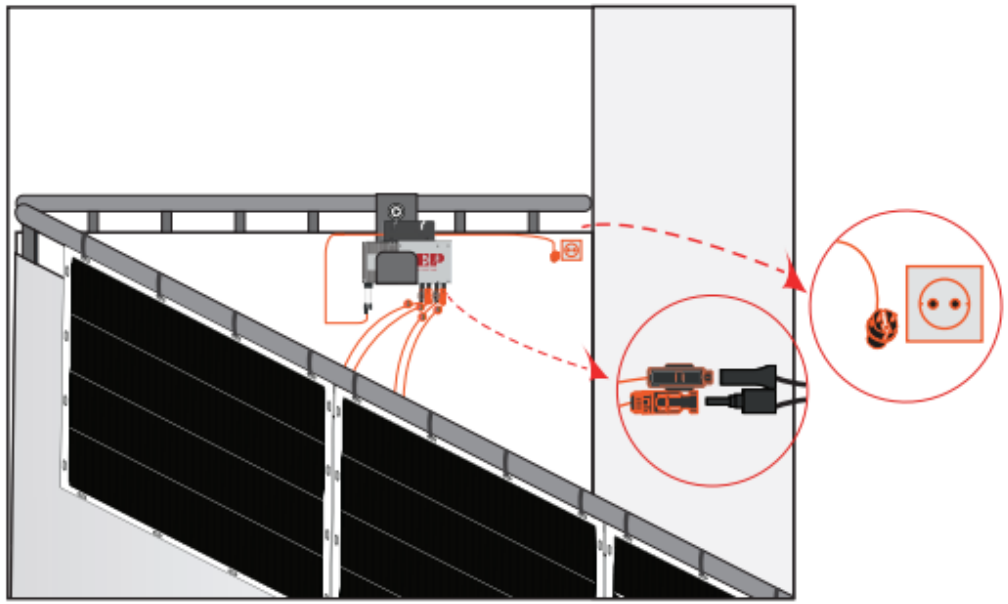


③

④

CONPONETS:

① Flexible Solar Module : 600W – 800W
② Micro Inverter : 220V 50hz/110V 60Hz ;
③ Extension Cable
④ Installation Belts



SOLAR EPOCH®

② BALCONY SOLAR

Solar Module	
ELECTRICALCHARACTERISTICS	
STC	SEB-210F8ME
Maximum Power (Pmax)	210W
Maximum Power Voltage (Vmp)	32.4V
Maximum Power Current (Imp)	6.53A
Open-circuit Voltage (Voc)	38.8V
Short-circuit Current (Isc)	6.86A
Module Efficiency (%)	19.26%
Operating Temperature	-40℃ to 85℃
Maximum System Voltage	600VDC
Maximum Series Fuse Rating	15A
Application Class	Class A
Power Tolerance	0~+5W
STC: Irradiance 1000W/m², module temperature 25℃, AM=1.5	
MECHANICALCHARACTERISTICS	
Solar Cell	Mono-crystalline sillicon cell
Number Of Cells	56
Installation Module Dimension	L:1380* W:790* H:18mm
Actual Module Dimension	L:1300* W:736mm
Weight	3.7kg
Backsheet	White PV Backsheet
J-Box	IP 67 rated
Output cables	4mm²
Connector	MC4 compatible

SOLAR EPOCH®

② BALCONY SOLAR

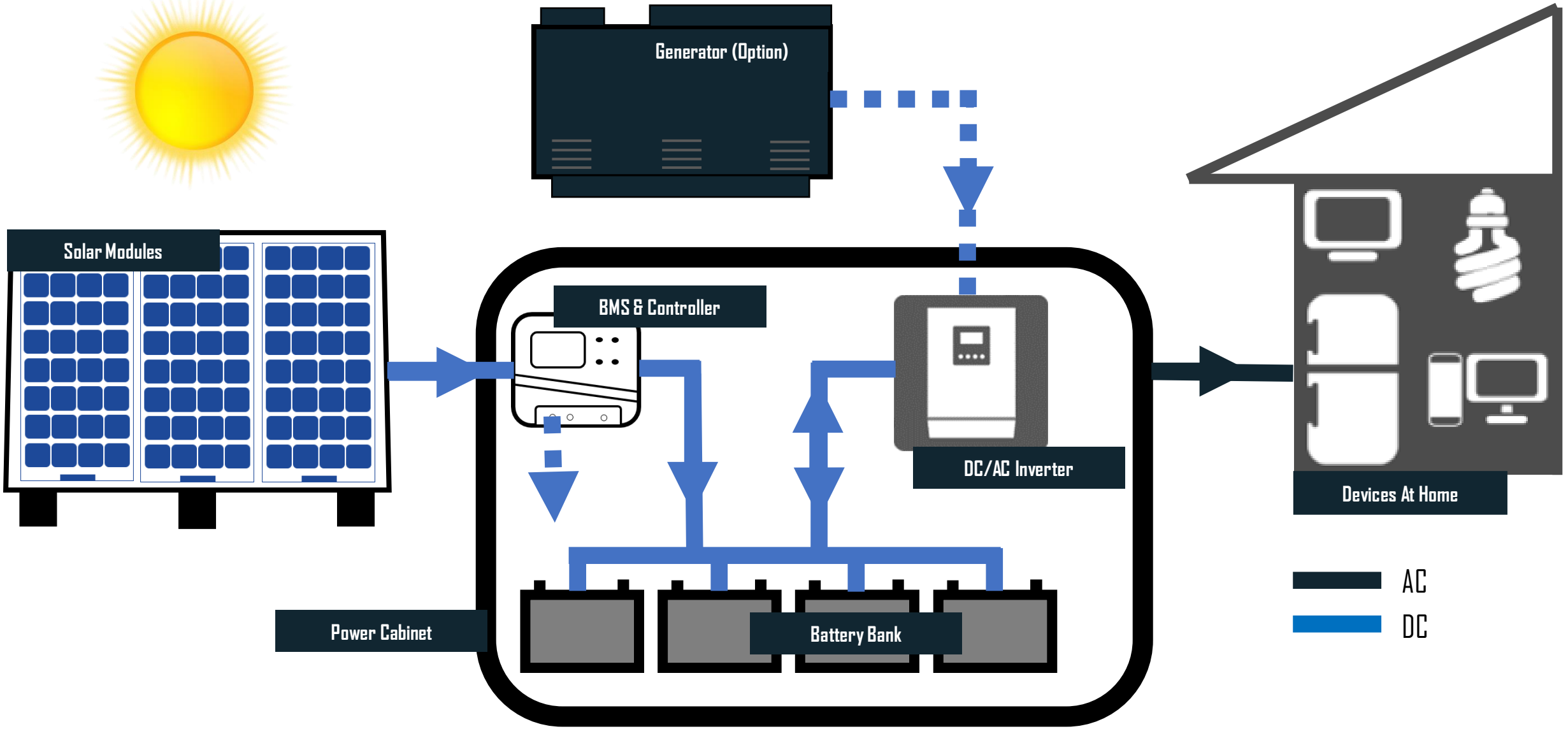
Micro Inverter			
SEB-600			
Input | DC			
Max Recommended PV Power (Wp)	450 x 2		
Max DC Open Circuit Voltage (Vdc)	60		
Max DC Input Current (Adc)	14×2		
MPPT Tracking Accuracy	>99.5%		
MPPT Tracking Range (Vdc)	22 - 55		
Isc PV (absolute maximum) (Adc)	18 x 2		
Maximum Inverter Backfeed Current to the Array (Adc)	0		
Output | AC			
Max AC Output Power (Wp)	600		
Nominal Power Grid Voltage (Vac)	240	208	230
Allowable Power Grid Voltage (Vac)	211-264	183-229	Cofigurable
Allowable Power Grid Frequency (Hz)	59.3 - 60.5		Cofigurable
THD	<3% at rated power		
Power Factor (cos phi, fixed)	>0.99 at rated power		
Rated Output Current (Aac)	2.50	2.88	2.61
Current (inrush, peak and duration)	24A, 15us		
Nominal Frequency (Hz)	60	60	50
Maximum Output Fault Current (Aac)	4.6A peak		
Maximum Output Overcurrent Protection (Aac)	10		
Maximum Number of Units per Branch (20A),All NEC adjustment factors have been considered	7	6	6

SEGMENT 3 :
SOLAR POWER SOLUTION

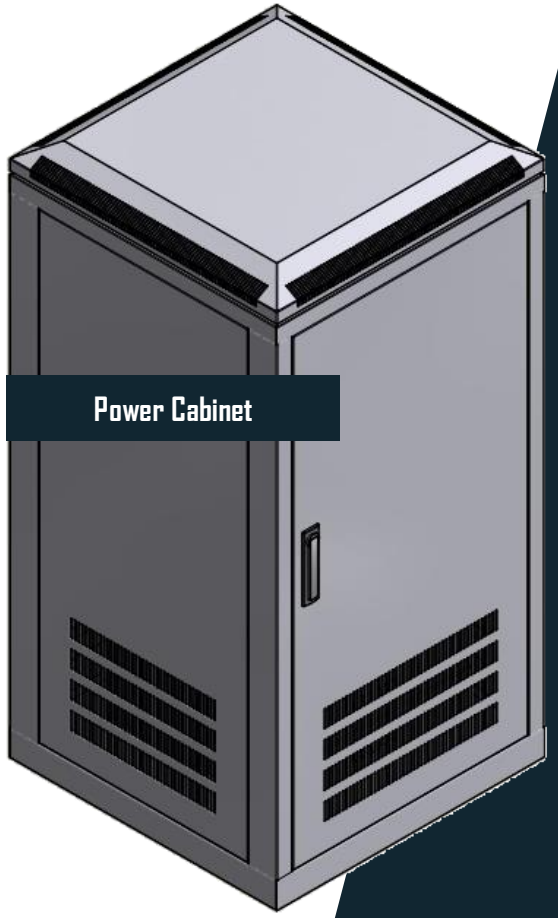
SOLAR EPOCH®

SOLAR EPOCH®

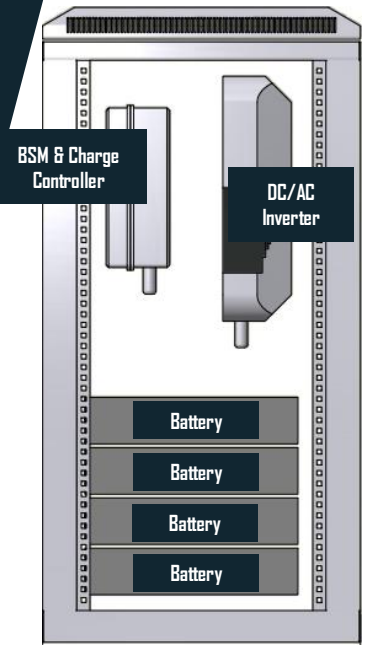
③ SOLAR POWER SOLUTION – HOME –

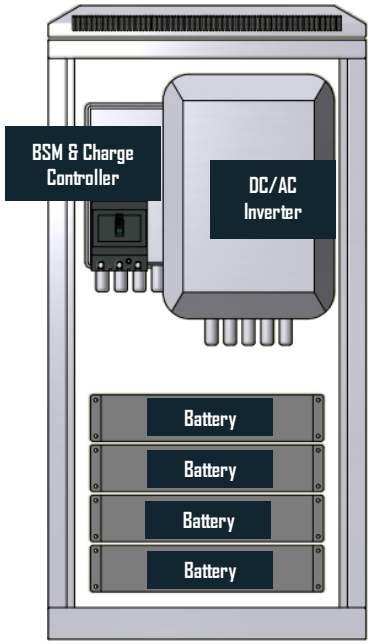


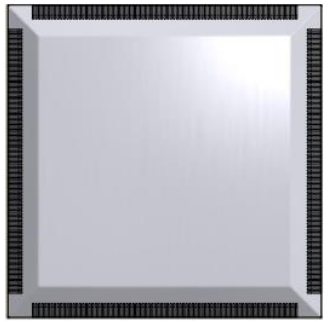
③ SOLAR POWER SOLUTION – CABINET (OPTIOINAL) –



- Cabinet Can Be Customized To Fit Different Power Requirements
- Battery Management System (BSM) & Solar Module Charger Controller Are Used for Coordinating Solar Module Power Surge Changing And Battery Capacity
- BSM Will Maintain Battery At Best Condition
- DC/AC Inverter With MPPT (Maximum Power Point Tracking) Is Working To Output 230V/50Hz







SOLAR EPOCH®

③ 3KW SOLAR SYSTEM — BOM & PARAMETERS —

 Module	550W Monocrystalline Solar Module 2279*1134*35mm	× 6
Mount 	Monocrystalline Module Mounting System	× 1
 Inverter	25.6V60A MPPT-2KW220V	× 1
AC Cable 	20M² 60CM AC PV Cable	× 1
 Battery	25.6V 100AH Lithium Battery	× 1
DC Cable 	4M² ,Red DC Cable 20m; Black DC Cable 10m	× 1
 Connector	MC4 Capable Solar Connector	× 4

SOLAR EPOCH®

③ 5KW SOLAR SYSTEM — BOM & PARAMETERS —

 Module	550W Monocrystalline Solar Module 2279*1134*35mm	× 10
Mount 	Monocrystalline Module Mounting System	× 1
 Inverter	48V100A MPPT-5KW220V	× 1
AC Cable 	20M² 60CM AC PV Cable	× 2
 Battery	51.2V 100AH Lithium Battery	× 2
DC Cable 	4M² ,Red DC Cable 30m; Black DC Cable 20m	× 1
 Connector	MC4 Capable Solar Connector	× 4

SOLAR EPOCH®

③ 10KW SOLAR SYSTEM – BOM & PARAMETERS –

 Module	550W Monocrystalline Solar Module 2279*1134*35mm	× 20
Mount 	Monocrystalline Module Mounting System	× 1
 Inverter	48V100A MPPT-5KW220V	× 2
AC Cable 	60M² 150CM AC PV Cable	× 2
 Battery	51.2V 100AH Lithium Battery	× 6
DC Cable 	4M² ,Red DC Cable 200m; Black DC Cable 200m	× 1
 Connector	MC4 Capable Solar Connector	× 4

SOLAR EPOCH®

③ 20KW SOLAR SYSTEM – BOM & PARAMETERS –

 Module	550W Monocrystalline Solar Module 2279*1134*35mm	× 40
Mount 	Monocrystalline Module Mounting System	× 1
 Inverter	48V100A MPPT-5KW220V	× 2
AC Cable 	60M² 150CM AC PV Cable	× 2
 Battery	51.2V 100AH Lithium Battery	× 12
DC Cable 	4M² ,Red DC Cable 200m; Black DC Cable 200m	× 1
 Connector	MC4 Capable Solar Connector	× 4

SOLAR EPOCH®

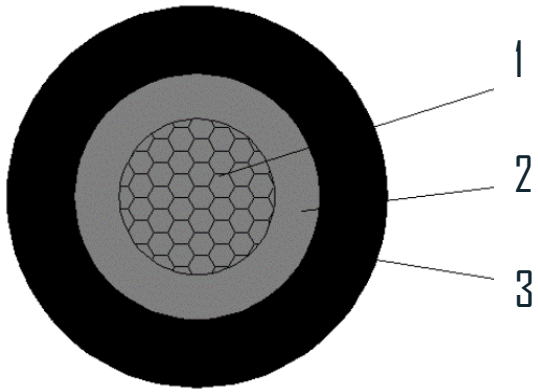
③ SOLAR POWER SOLUTION — SOLAR LIGHT —

The lamp beads adopt high-efficiency LED seals, have high illumination brightness, sustained luminescence, and the test life in the laboratory is more than 30,000 hours

Adopting A-grade solar power modules, the conversion efficiency reaches over 19%, and the linear power quality is guaranteed for 25 years

Cement walls, power poles, wooden structures can all be installed, no need to pull wires, no need for electricity bills

③ SOLAR POWER SOLUTION – DC PV CABLE –

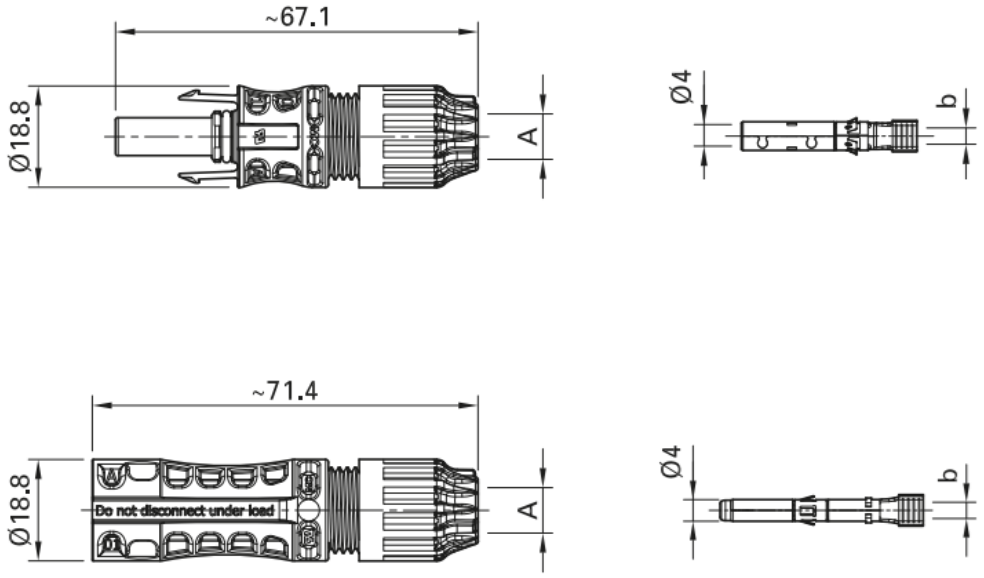


Item	Description	Material	Apply method
1	Conductor	Tinned copper wire	Class 5 stranded non-compacted
2	Insulation	XLPO	Extruding
3	Outer sheath	XLPO	Extruding
Core identification	Black		
Outer sheath color	Black		
Marking: according to customer's requirements.			

Dimension Data			
Core No. x Cross section (mm2)	Nom./min. insulation thick. (mm)	Nom./min. outer sheath thick. (mm)	Max. diam. over outer sheath (mm)
1x4	0.7/0.53	0.8/0.58	6.6

③ SOLAR POWER SOLUTION – MC4 CONNECTOR –

Technical data	
Connector system	Ø 4 mm
Rated voltage	1500 V DC (TÜV)[1])
	1500 V DC (UL)[2])
	1500 V DC (JET) [3])
Rated current TÜV (85°C)	39 A (2,5 mm² / 14 AWG)
	45 A (4,0 mm² / 12 AWG)
	53 A (6,0 mm² / 10 AWG)
	69 A (10,0 mm² / 8 AWG)
Rated impulse voltage	16 kV (1500 V)
Ambient temperature range	-40°C ~ +85°C (TÜV / UL
Upper limiting temperature	115°C (TÜV)
Degree of protection, mated	IP65 / IP68 (1h / 1m)
unmated	IP2X
Overvoltage category / Pollution degree	CAT III / 3
Contact resistance of plug connectors	≤ 0.2 mΩ
Safety class	II
Contact system	MULTILAM
Type of termination	Crimping
Contact material	Copper, tin plated
Insulation material	PA
Locking system (UL)	Locking type
Flame class	UL94-V0

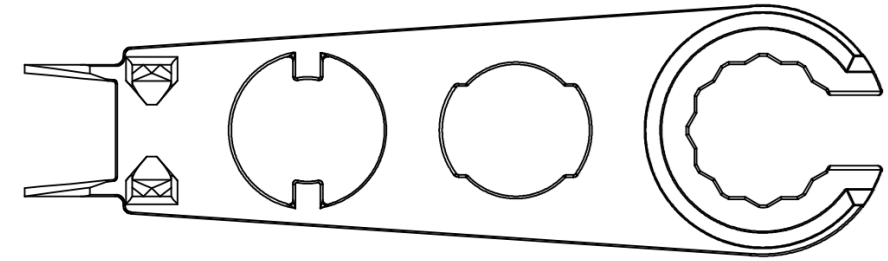


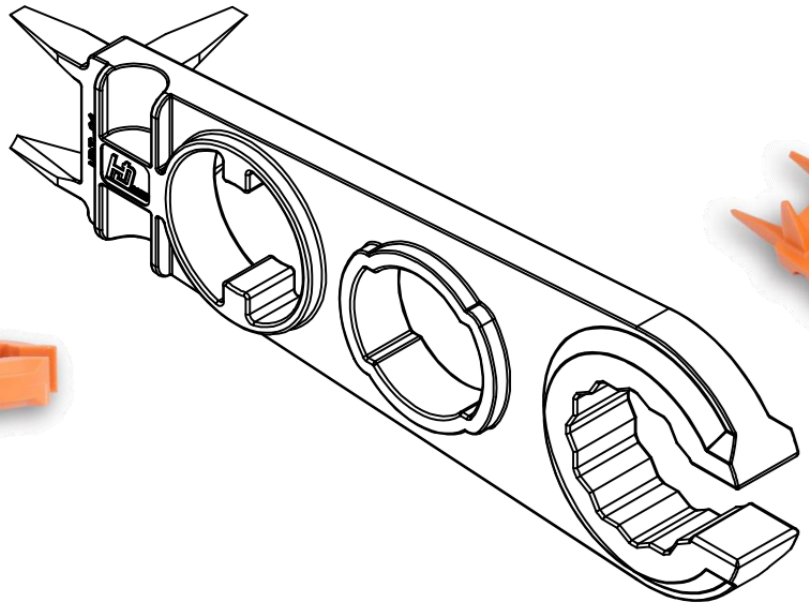
Ammonia resistance (acc. to TÜV)	Q60095359
Salt mist spray test, degree of severity 6	IEC 60068-2-52
TÜV-Rheinland certified,	R60127169
in accordance with IEC 62852	
UL recognized component,	E343181
in accordance with UL 6703	
cTÜVus certified according UL 6703	CU 72141256 01
JET certified according IEC 61730-1:2004	B13T0062

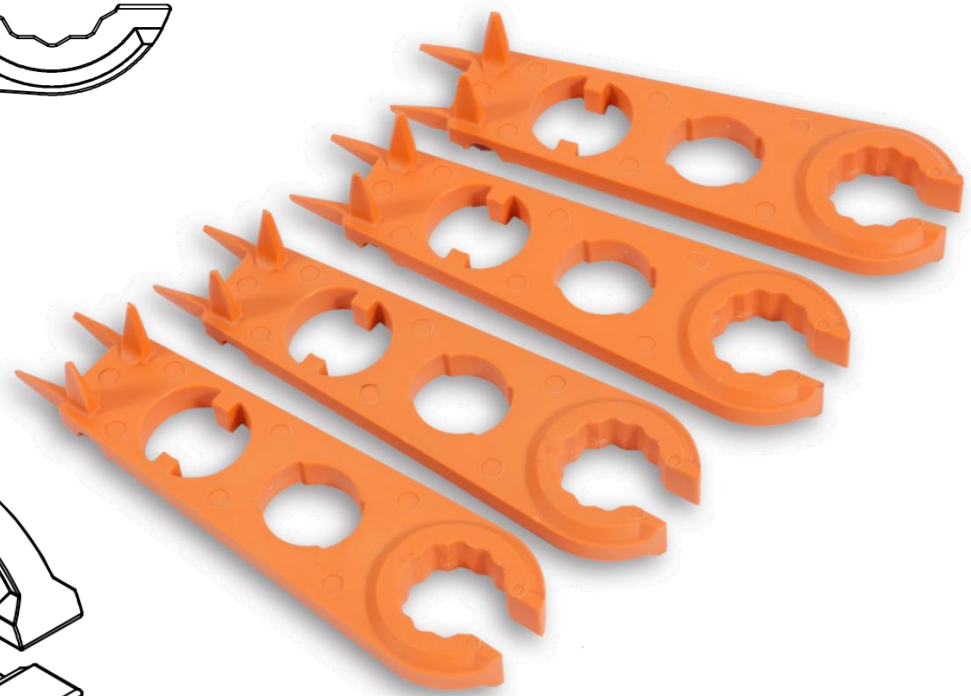
SOLAR EPOCH®

③ SOLAR POWER SOLUTION – PV TOOL –

Universal Connecting Wrench







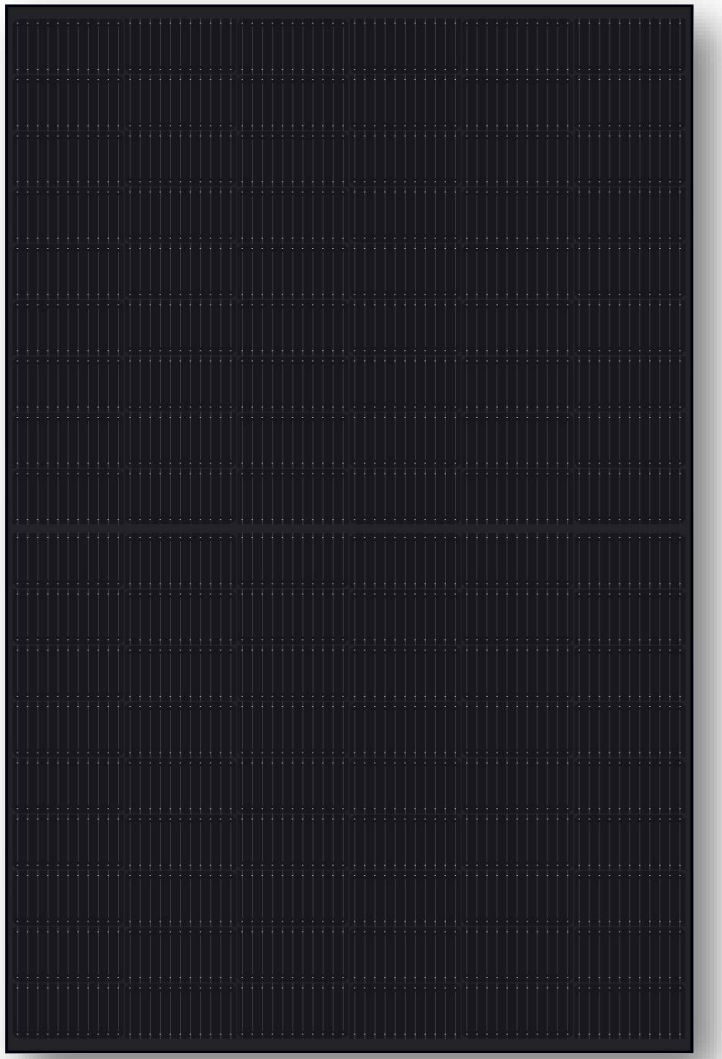
For MC4 series and all kinds of MC4 capable connectors

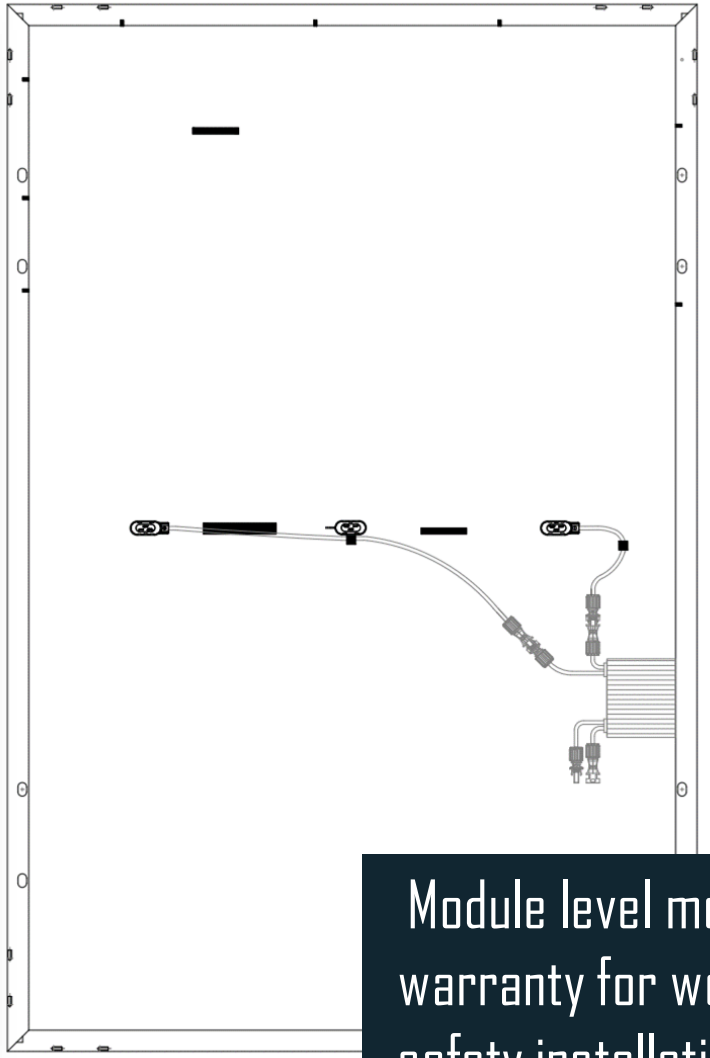
SEGMENT 4 :
SMART MODULE

SOLAR EPOCH®

④ SMART MODULE – AC MODULE –

With high efficiency, LID-resistant n-topcon solar cells (M10, 182mm), a lower temperature coefficient, SolarEpoch delivers more lifetime energy over standard solar panels.





Module level monitoring, 25+25 years warranty for workmanship and power, safety installation without high voltage

SOLAR EPOCH®

④ SMART MODULE — AC MODULE —

Model	400W-430W
Input Data(DC,PV)	
Number of Input MC4 Connector	1 set
MPPT Voltage Range	22V-48V
Operation Voltage Range	20V-50V
Maximum Input Voltage	50V
Startup Voltage	22V
Maximum Input Power	430W
Maximum Input Current	14A

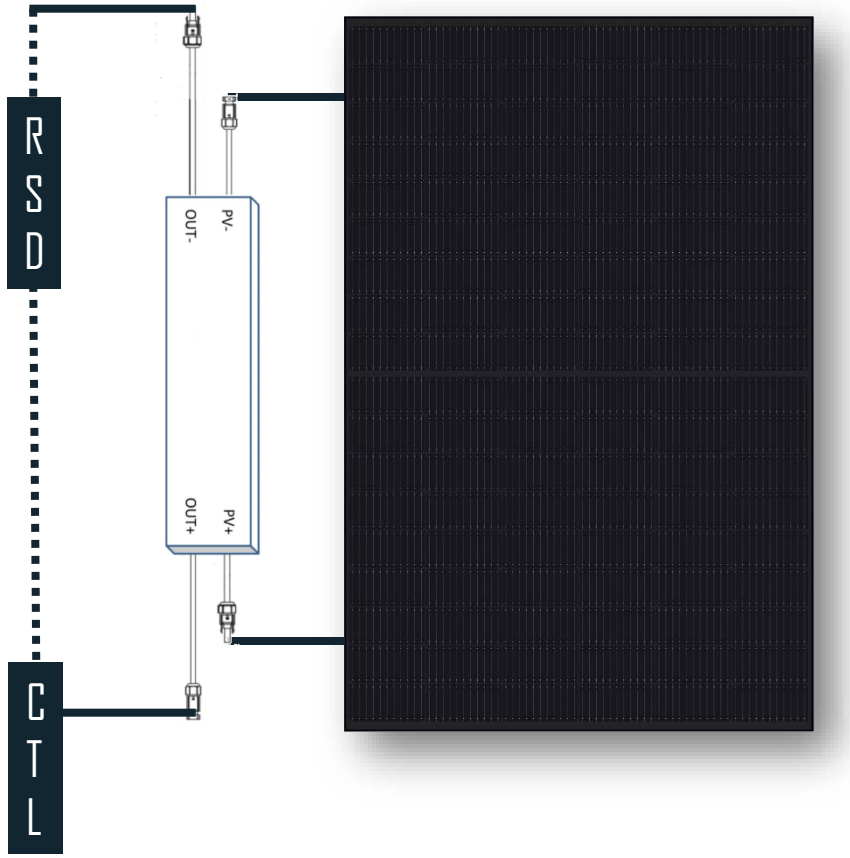
Mechanical Data	
Operating Ambient Temperature Range	-40°Cto+65°C
Max Current of AC Bus Cable	20A
Waterproof Grade	IP66
Cooling Mode	Natural Convection-NoFans

Output Data (AC)	
Single-Phase Grid Type	120V&230V
Rated Output Power	430W
Maximum Output Power	430W
Nominal Output Current	@120VAC:3A/@230VAC:1.5A
Nominal Output Voltage	120VAC/230VAC
Default Output VoltageRange	@120VAC80V-160V/@230VAC:180V-270V
Nominal Output Frequency	50Hz/60Hz
Default Output Frequency Range	@50Hz:48Hz-51Hz/@60Hz:58Hz-61Hz
Power Factor	>0.99%
Total Harmonic Distortion	THD<5%
Maximum Units per Branch	@120VAC:5units/@230VAC:10units

Efficiency	
Peak Efficiency	95%
Nominal MPPT Efficiency	99.50%
Night Power Consumption	< 1W

④ SMART MODULE – RSD MODULE –

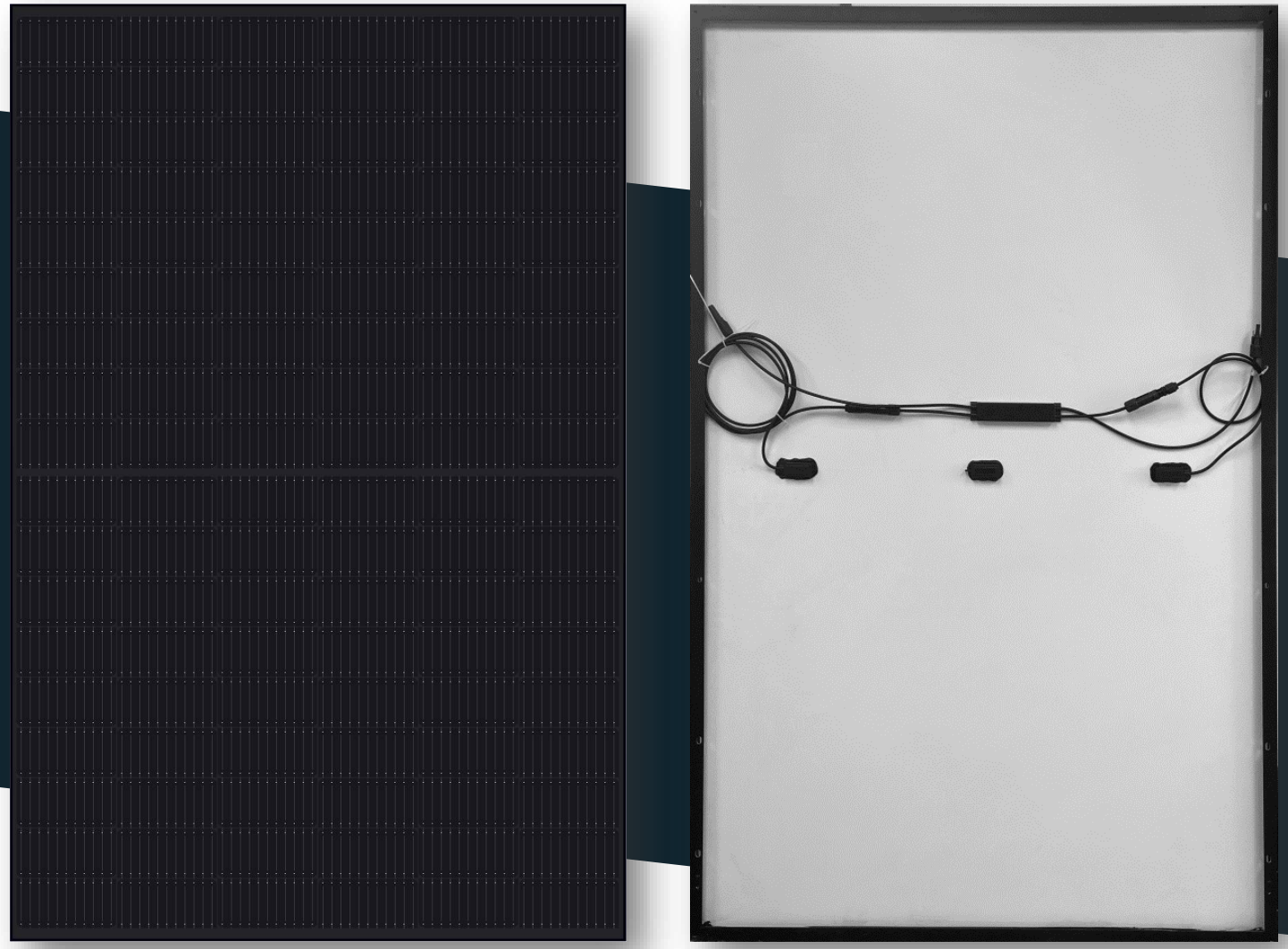
Parameters	
Working Voltage	< 80V
Working Current	< 30A
Staring working voltage	15V
Shutdown working voltage	5V
environment temperature range	-40℃ ~ 85℃
working temperature range	-40℃ ~ 150℃
humility range	0% ~ 99%
shutdown time	< 2s
power up time	15s
string length	≤30pcs
cable	4mm2/12AWG
connectors	socket = positive/ plug = negative
safety certificate	UL1741 IEC62109-1
safety level	Ⅱ
protection level	IP68(1m/1h)
flame retardant level	5VA
warning	Do not dis-connect under load



SOLAR EPOCH®

④ SMART MODULE – RSD MODULE –

Rapid shut down - Module!
Pre - installed in the factory
1+1 > 2 – Functions
1+1 < 2 – Prices

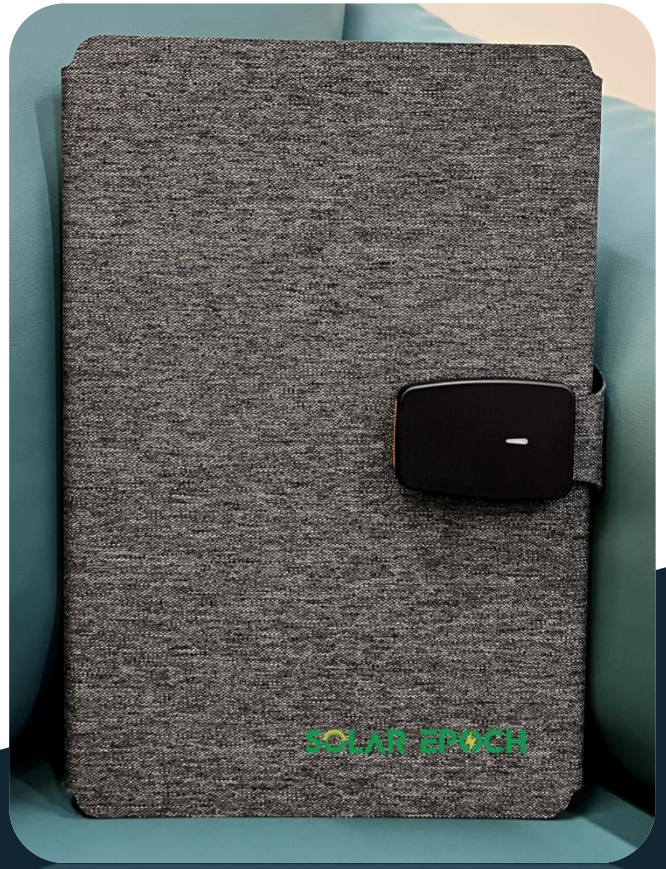


SEGMENT 5 : PORTABLE/OFF ROAD

SOLAR EPOCH®

SOLAR EPOCH®

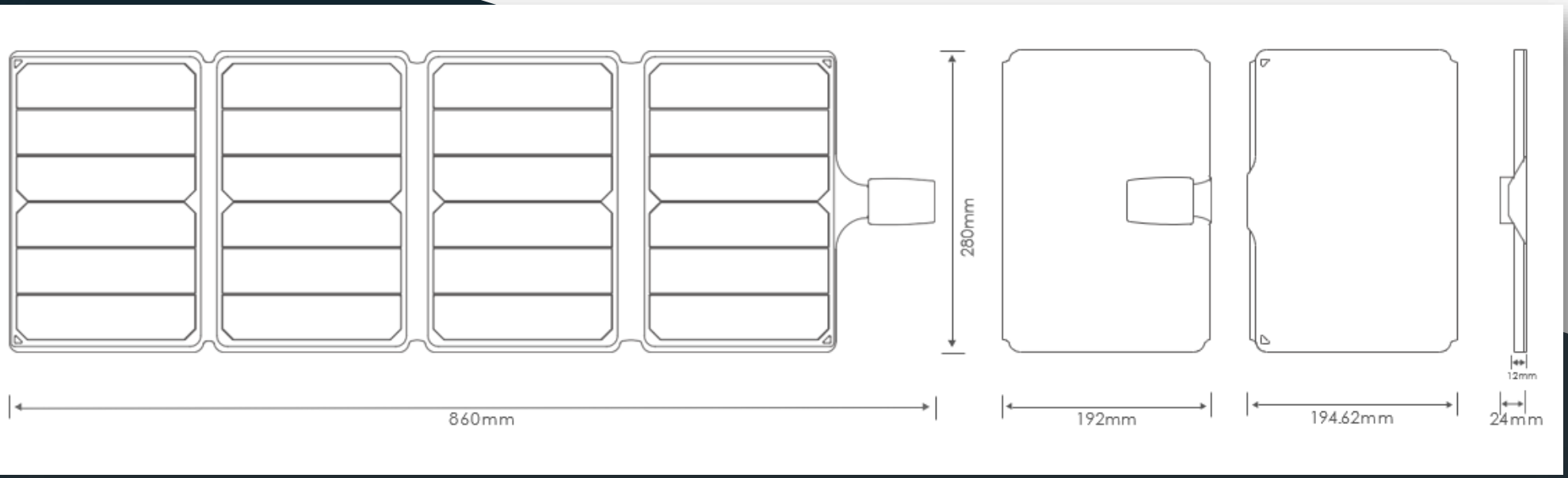
⑤ SOLAR POWER SOLUTION – INNOVATIONS –

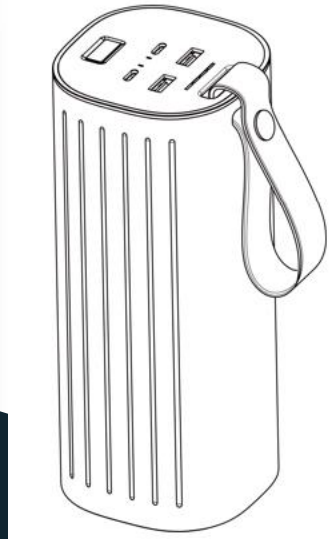


Unique Designed Modules & Devices

SOLAR EPOCH®

⑤ SOLAR POWER SOLUTION – INNOVATIONS –





Unique Designed Modules & Devices

Module Type	SOEP-36M
Max. Power Output Pmax(w)	36
Power Tolerance	0~+3%
Max. Power Voltage Vmap(V)	13.44
Max. Power Current Imp(A)	2.68
Open Circuit Voltage Voc(V)	6.2
Short Circuit Current Isc(A)	2.83
Cell Efficiency(%)	23

SOLAR EPOCH®

⑤ SOLAR POWER SOLUTION — PORTABLE HUB —

Wave Form : Pure sine wave
Output:
4 AC : 220V 50hz/110V 60Hz ;
3 DC : 12V ; Type-c :5V/3A
4 USB : 5V/3A

Special Design :
1.Ciggarate Inigting function
2.Support Solar Panel Charging (18V 50W~350W)
3. Can Be Used During Charging

Package: Colorful Box
Product Size :251*159*158mm
Package Size : 320*230*210mm
Gross Weight : 6.0kg
Net Weight:4.8Kg

CHANGE LIFE FROM EVERY MOMENT OF YOUR LIGHT ON WITH SOLAR POWER

SOLAR EPOCH®