Deyi Renewable Energy Co., Ltd
Solar Module-2026

www.deyipv.com

01 Standard Series

182

DYM 460~480MH5-60NT

TOPCon Monofacial high efficiency PV module

22.17%
Module Efficiency

PRODUCT FEATURES

High Power Output
N-type MBB half cut technology, improve energy density, bring higher power output.

Low Power Degradation
First year power degradation <1.0%，year 2-30 power degradation <0.40% each year

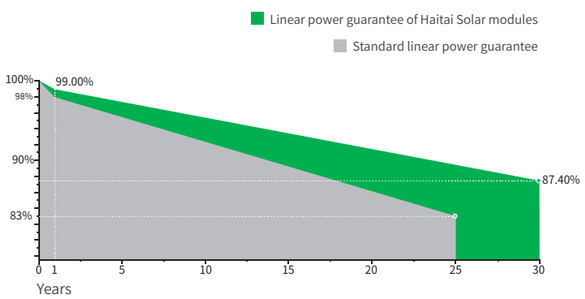
High Durability
Passed TUV Salt & Ammonia corrosion test, and 2400Pa wind load, 5400Pa snow load test, higher reliability

Low Temperature coefficient
Passivated contact cell technology for higher power generation in operating

Better Low Light Performance
Higher power generation compare with standard module in cloudy, foggy and low light condition

Better Anti-LID
N-type cells with boron-oxide-free composite LID to increase module power generation

LINEAR PERFORMANCE WARRANTY



12 YEARS product warranty

30 YEARS linear power warranty

0.40 % Linear attenuation of 0.40% per year within30years

CERTIFICATES

·IEC 61215，IEC 61730
·ISO 9001：2015 Quality Management System
·ISO 14001：2015 Environment Management System
·ISO 45001：2018 Occupational health and safety management systems
·IEC62941:2019 Photovoltaic Module Manufacturer Quality Management System

LinkedIn/Facebook
Deyi Renewable Energy

Website
www.deyipv.com

E-mail
info@deyipv.com

Electrical Data (STC)

Maximum Power (Pmax/W)	460	465	470	475	480
Open Circuit Voltage (Voc/V)	42.65	42.8	42.95	43.1	43.25
Short Circuit Current (Isc/A)	13.48	13.58	13.68	13.78	13.87
Voltage at Maximum Power (Vmp/V)	35.77	35.92	36.07	36.22	36.37
Current at Maximum Power (Imp/A)	12.86	12.95	13.04	13.12	13.2
Module Efficiency (%)	21.25	21.48	21.71	21.94	22.17
Operating Temperature	-40° C~+85° C				
Maximum System Voltage	1000/1500V				

STC (Standard Testing Conditions): Irradiance 1000W/m^2, Cell Temperature 25°C , AM1.5

Electrical Data (NMOT)

Maximum Power (Pmax/W)	346	350	354	358	362
Open Circuit Voltage (Voc/V)	40.49	40.64	40.79	40.94	41.09
Short Circuit Current (Isc/A)	11.02	11.11	11.2	11.28	11.37
Voltage at Maximum Power (Vmp/V)	33.23	33.37	33.52	33.67	33.82
Current at Maximum Power (Imp/A)	10.41	10.49	10.56	10.64	10.71

NMOT (Nominal Moudule Operating Temperature): Irradiance 800W/m^2, Ambient Temperature 20°C , AM1.5, Wind Speed 1m/s.

Mechanical Data

Cell Type	182×91mm Mono
Cell Orientation	120(6×20)
Module Dimensions	1909×1134×30mm
Weight	25.0kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film
Frame Material	Anodized aluminum alloy
Junction Box	Protection class IP68
Cable	4.0 mm^2 positive pole: 200 mm negative pole: 250 mm wire length can be customized

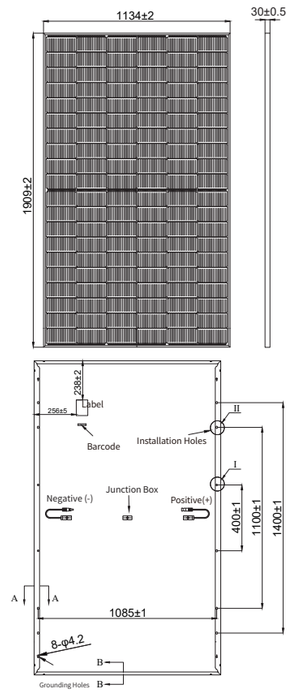
Temperature Coefficients

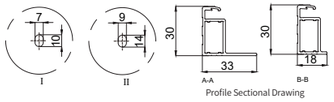
Temperature Coefficient (Pm)	-0.290%/°C
Temperature Coefficient (Voc)	-0.250%/°C
Temperature Coefficient (Isc)	0.045%/°C
NMOT (Nominal Moudule Operating Temperature)	41±3°C

Packaging

Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	864pcs	36pcs +36pcs

Module Dimensions (mm)

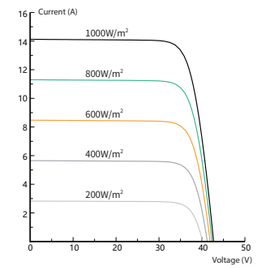




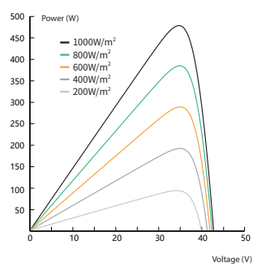
Profile Sectional Drawing

I-V Curve

Current-Voltage Curve(480W)



Power-Voltage Curve(480W)



DEYI20250329EN

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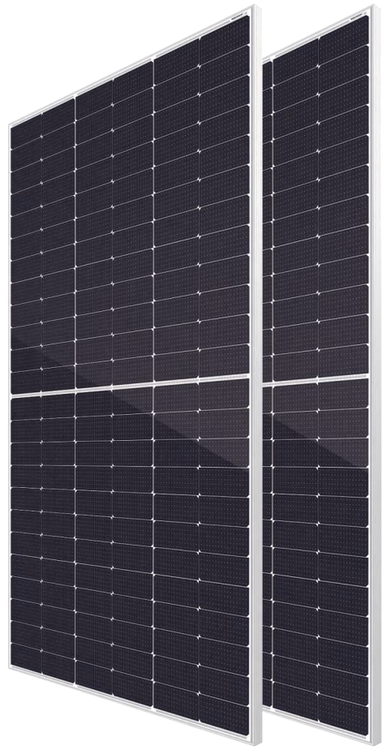
DYM585~605MH5-72NT

TOPCon Monofacial high efficiency PV module



23.42%

Module Efficiency**23.42%**

PRODUCT FEATURES

High Power Output
N-type MBB half cut technology, improve energy density, bring higher power output.

High Durability
Passed TUV Salt & Ammonia corrosion test, and 2400Pa wind load, 5400Pa snow load test, higher reliability

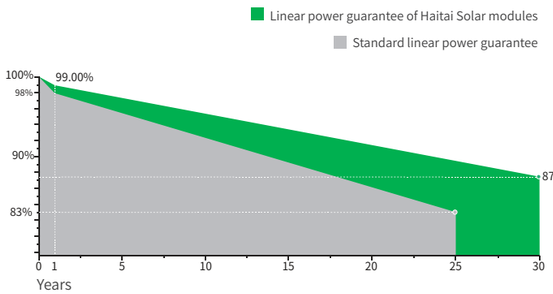
Better Low Light Performance
Higher power generation compare with standard module in cloudy, foggy and low light condition

Low Power Degradation
First year power degradation <1.0%，year 2-30 power degradation <0.40% each year

Low Temperature coefficient
Passivated contact cell technology for higher power generation in operating

Better Anti-LID
N-type cells with boron-oxide-free composite LID to increase module power generation

LINEAR PERFORMANCE WARRANTY



12 YEARS product warranty

30 YEARS linear power warranty

0.40 % Linear attenuation of 0.40% per year within30years

CERTIFICATES

·IEC 61215，IEC 61730
·ISO 9001：2015 Quality Management System
·ISO 14001：2015 Environment Management System
·ISO 45001：2018 Occupational health and safety management systems
·IEC62941:2019 Photovoltaic Module Manufacturer Quality Management System

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Website
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E-mail
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Electrical Data (STC)

Maximum Power (Pmax/W)	585	590	595	600	605
Open Circuit Voltage (Voc/V)	52.34	52.49	52.64	52.79	52.94
Short Circuit Current (Isc/A)	13.97	14.05	14.13	14.21	14.29
Voltage at Maximum Power (Vmp/V)	44.06	44.21	44.36	44.51	44.66
Current at Maximum Power (Imp/A)	13.28	13.35	13.42	13.49	13.55
Module Efficiency (%)	22.65	22.84	23.03	23.23	23.42
Tolerance	0~+3%				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40° C~+85° C				
Maximum System Voltage	1000/1500V				

STC (Standard Testing Conditions): Irradiance 1000W/m^2, Cell Temperature 25°C , AM1.5

Electrical Data (NMOT)

Maximum Power (Pmax/W)	441	445	449	453	457
Open Circuit Voltage (Voc/V)	49.72	49.81	49.90	49.99	50.08
Short Circuit Current (Isc/A)	11.45	11.53	11.61	11.69	11.78
Voltage at Maximum Power (Vmp/V)	40.92	41.01	41.10	41.19	41.28
Current at Maximum Power (Imp/A)	10.78	10.86	10.93	11.00	11.08

NMOT (Nominal Moudule Operating Temperature): Irradiance 800W/m^2, Ambient Temperature 20°C , AM1.5, Wind Speed 1m/s.

Mechanical Data

Cell Type	182×91mm Mono
Cell Orientation	144(6×24)
Module Dimensions	2278×1134×30mm
Weight	28.0kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film
Frame Material	Anodized aluminum alloy
Junction Box	Protection class IP68
Cable	4.0 mm^2 positive pole: 200 mm negative pole: 250 mm wire length can be customized

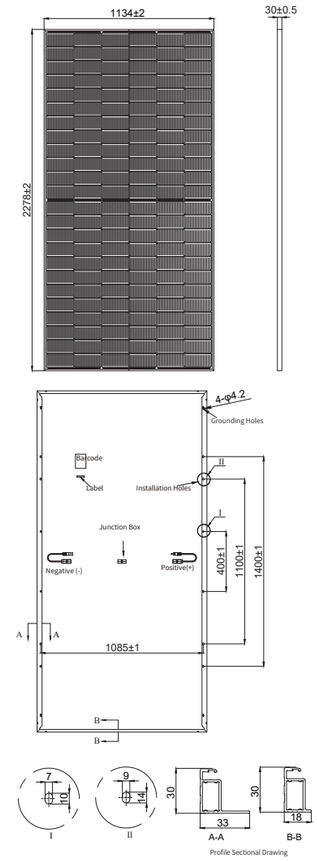
Temperature Coefficients

Temperature Coefficient (Pm)	-0.290%/°C
Temperature Coefficient (Voc)	-0.250%/°C
Temperature Coefficient (Isc)	0.045%/°C
NMOT (Nominal Moudule Operating Temperature)	41±3°C

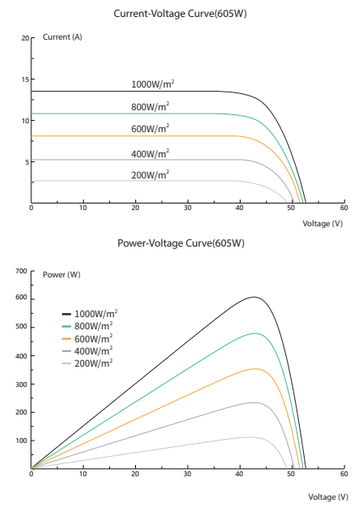
Packaging

Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	720pcs	36pcs +36pcs

Module Dimensions (mm)



I-V Curve



Data contained in these specifications is subject to change without notice.Deyi reserves the right to final interpretation of content.

DEYI20250329EN

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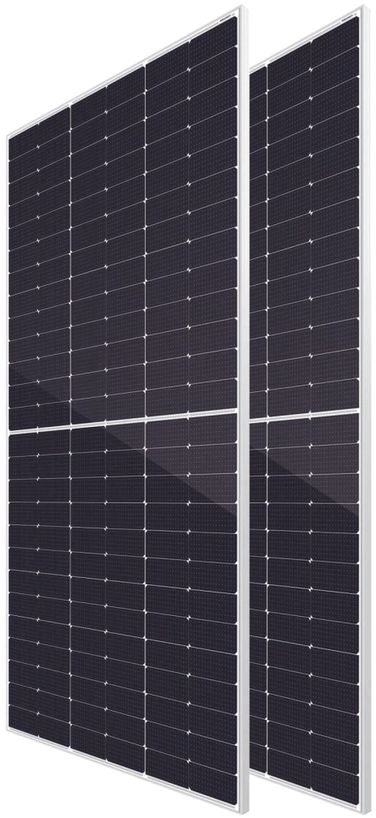
DYM635~655MH5-78NT

TOPCon Monofacial high efficiency PV module



23.43%

Module Efficiency23.43%

PRODUCT FEATURES

High Power Output
N-type MBB half cut technology, improve energy density, bring higher power output.

High Durability
Passed TUV Salt & Ammonia corrosion test, and 2400Pa wind load, 5400Pa snow load test, higher reliability

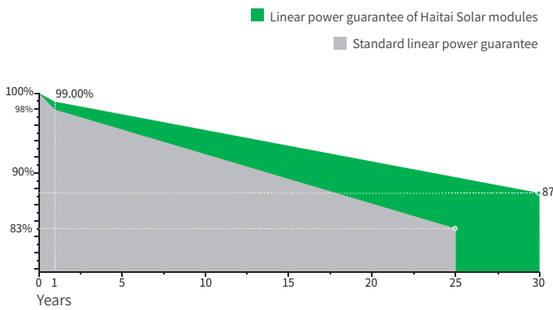
Better Low Light Performance
Higher power generation compare with standard module in cloudy, foggy and low light condition

Low Power Degradation
First year power degradation <1.0%，year 2-30 power degradation <0.40% each year

Low Temperature coefficient
Passivated contact cell technology for higher power generation in operating

Better Anti-LID
N-type cells with boron-oxide-free composite LID to increase module power generation

LINEAR PERFORMANCE WARRANTY



12 YEARS product warranty

30 YEARS linear power warranty

0.40 % Linear attenuation of 0.40% per year within30years

CERTIFICATES

·IEC 61215，IEC 61730
·ISO 9001：2015 Quality Management System
·ISO 14001：2015 Environment Management System
·ISO 45001：2018 Occupational health and safety management systems
·IEC62941:2019 Photovoltaic Module Manufacturer Quality Management System

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Website
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E-mail
info@deyipv.com

Electrical Data (STC)

Maximum Power (Pmax/W)	635	640	645	650	655
Open Circuit Voltage (Voc/V)	56.73	56.88	57.03	57.18	57.33
Short Circuit Current (Isc/A)	13.99	14.06	14.14	14.21	14.28
Voltage at Maximum Power (Vmp/V)	47.77	47.92	48.07	48.22	48.37
Current at Maximum Power (Imp/A)	13.30	13.36	13.42	13.48	13.55
Module Efficiency (%)	22.72	22.90	23.07	23.25	23.43
Operating Temperature	-40° C~+85° C				
Maximum System Voltage	1000/1500V				

STC (Standard Testing Conditions): Irradiance 1000W/m^2, Cell Temperature 25°C , AM1.5

Electrical Data (NMOT)

Maximum Power (Pmax/W)	478	482	486	490	494
Open Circuit Voltage (Voc/V)	53.96	54.11	54.26	54.41	54.56
Short Circuit Current (Isc/A)	11.43	11.49	11.56	11.62	11.68
Voltage at Maximum Power (Vmp/V)	44.27	44.42	44.57	44.72	44.87
Current at Maximum Power (Imp/A)	10.80	10.86	10.91	10.96	11.01

NMOT (Nominal Moudule Operating Temperature): Irradiance 800W/m^2, Ambient Temperature 20°C , AM1.5, Wind Speed 1m/s.

Mechanical Data

Cell Type	182×91mm Mono
Cell Orientation	156(6×26)
Module Dimensions	2465×1134×30mm
Weight	30.5kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film
Frame Material	Anodized aluminum alloy
Junction Box	Protection class IP68
Cable	4.0 mm^2 positive pole: 200 mm negative pole: 250 mm wire length can be customized

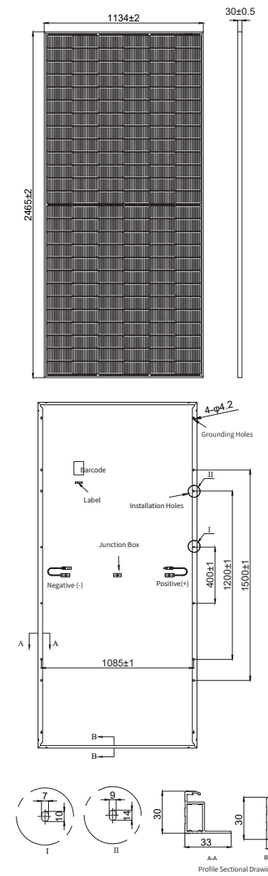
Temperature Coefficients

Temperature Coefficient (Pm)	-0.290%/°C
Temperature Coefficient (Voc)	-0.250%/°C
Temperature Coefficient (Isc)	0.045%/°C
NMOT (Nominal Moudule Operating Temperature)	41±3°C

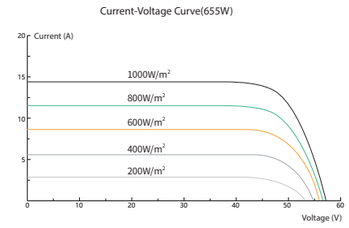
Packaging

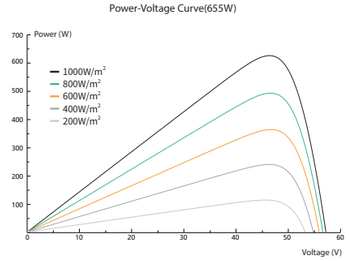
Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	576pcs	36pcs +36pcs

Module Dimensions (mm)



I-V Curve

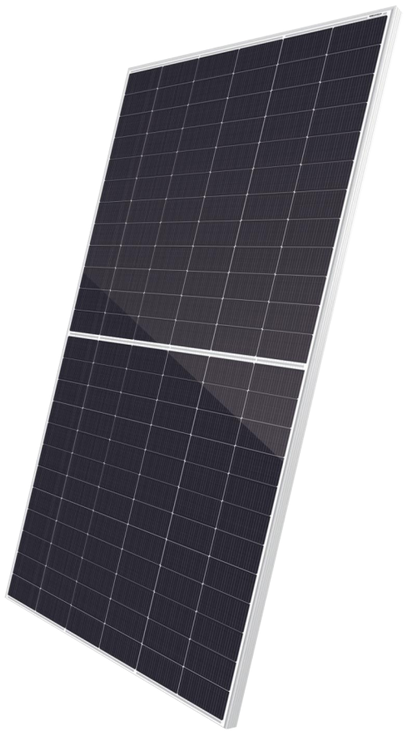




0BB

DYM590~610DMH5-72NT

TOPCon Bifacial high efficiency PV module



23.61%
Module Efficiency

PRODUCT FEATURES

High Power Output
N-type 0BB half cut technology, improve energy density, bring higher power output.
High Bifacial Factor, up to 25% extra power generation

High Durability
Passed TUV Salt & Ammonia corrosion test, and 2400Pa wind load, 5400Pa snow load test, higher reliability

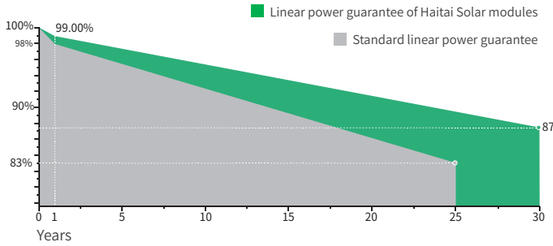
exquisite appearance
The battery has no main grid design, and the overall color of the product tends to be consistent

Low Power Degradation
First year power degradation <1.0%，year 2-30 power degradation <0.40% each year

Low Temperature coefficient
Passivated contact cell technology for higher power generation in operating

Better Anti-LID
N-type cells with boron-oxide-free composite LID to increase module power generation

LINEAR PERFORMANCE WARRANTY



12 YEARS product warranty

30 YEARS linear power warranty

0.40 % Linear attenuation of 0.40% per year within30years

CERTIFICATES

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·ISO 45001：2018 Occupational health and safety management systems
·IEC62941:2019 Photovoltaic Module Manufacturer Quality Management System

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Website
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E-mail
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Electrical Data (STC)

Maximum Power (Pmax/W)	590	595	600	605	610
Open Circuit Voltage (Voc/V)	52.49	52.64	52.79	52.94	53.09
Short Circuit Current (Isc/A)	14.05	14.13	14.21	14.29	14.36
Voltage at Maximum Power (Vmp/V)	44.21	44.36	44.51	44.66	44.81
Current at Maximum Power (Imp/A)	13.35	13.42	13.49	13.55	13.62
Module Efficiency (%)	22.84	23.03	23.23	23.42	23.61
Operating Temperature	-40° C~+85° C				
Maximum System Voltage	1000/1500V				

STC (Standard Testing Conditions): Irradiance 1000W/m^2, Cell Temperature 25°C , AM1.5

Electrical Data (NMOT)

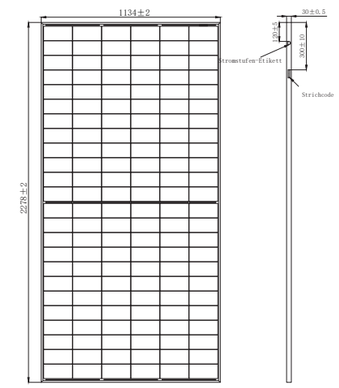
Maximum Power (Pmax/W)	445	449	453	457	461
Open Circuit Voltage (Voc/V)	49.81	49.90	49.99	50.08	50.17
Short Circuit Current (Isc/A)	11.53	11.61	11.69	11.78	11.86
Voltage at Maximum Power (Vmp/V)	41.01	41.10	41.19	41.28	41.37
Current at Maximum Power (Imp/A)	10.86	10.93	11.00	11.08	11.15

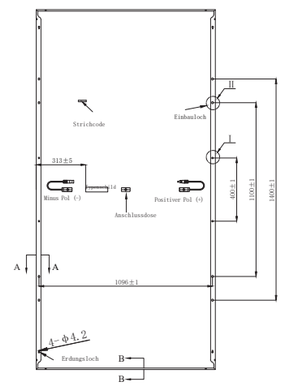
NMOT (Nominal Moudule Operating Temperature): Irradiance 800W/m^2, Ambient Temperature 20°C , AM1.5, Wind Speed 1m/s.

Bifacial Power Generation Parameters (Backside Gains)

5%	Maximum Power (Pmax/W)	620	625	630	635	641
	Module Efficiency (%)	23.98	24.18	24.39	24.59	24.79
15%	Maximum Power (Pmax/W)	679	684	690	696	702
	Module Efficiency (%)	26.27	26.49	26.71	26.93	27.16
25%	Maximum Power (Pmax/W)	738	744	750	756	763
	Module Efficiency (%)	28.55	28.79	29.03	29.28	29.52

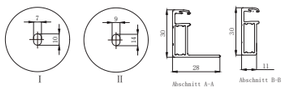
Module Dimensions (mm)



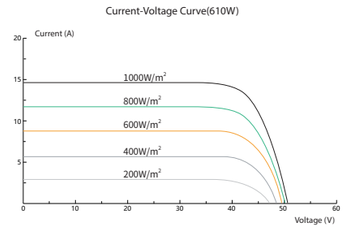


Mechanical Data

Cell Type	182×91mm
Cell Orientation	144（6×24）
Module Dimensions	2278×1134×30mm
Weight	32.0kg
Front Glass	2.0mm high transmittance, reinforced glass
Rear Glass	2.0mm part of the structure is grid-like white ceramic glass
Frame Material	Anodized aluminum alloy
Junction Box	Protection class IP68
Cable	4.0 mm^2 positive pole: 200 mm negative pole: 250 mm wire length can be customized

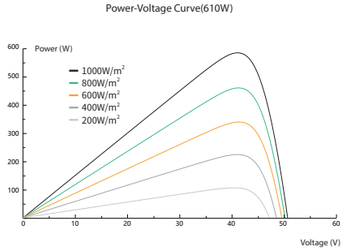


I-V Curve



Temperature Coefficients

Temperature Coefficient (Pm)	-0.290%/°C
Temperature Coefficient (Voc)	-0.250%/°C
Temperature Coefficient (Isc)	0.045%/°C
NMOT (Nominal Moudule Operating Temperature)	41±3°C



Packaging

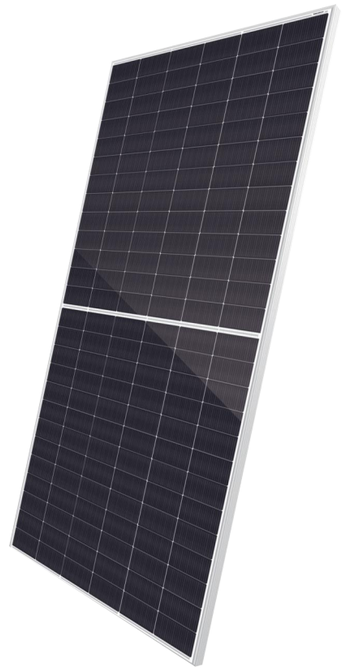
Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	740 pcs	37 pcs +37 pcs

DEYI20251201EN

0BB

DYM620~640DMH5-78NT

TOPCon Bifacial high efficiency PV module



22.90%
Module Efficiency

PRODUCT FEATURES

High Power Output
N-type 0BB half cut technology, improve energy density, bring higher power output.
High Bifacial Factor, up to 25% extra power generation

High Durability
Passed TUV Salt & Ammonia corrosion test, and 2400Pa wind load, 5400Pa snow load test, higher reliability

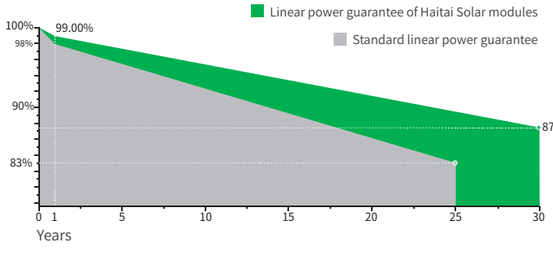
exquisite appearance
The battery has no main grid design, and the overall color of the product tends to be consistent

Low Power Degradation
First year power degradation <1.0%，year 2-30 power degradation <0.40% each year

Low Temperature coefficient
Passivated contact cell technology for higher power generation in operating

Better Anti-LID
N-type cells with boron-oxide-free composite LID to increase module power generation

LINEAR PERFORMANCE WARRANTY



12 YEARS product warranty

30 YEARS linear power warranty

0.40 % Linear attenuation of 0.40% per year within30years

CERTIFICATES

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·ISO 14001：2015 Environment Management System
·ISO 45001：2018 Occupational health and safety management systems
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Website
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Electrical Data (STC)

Maximum Power (Pmax/W)	620	625	630	635	640
Open Circuit Voltage (Voc/V)	56.28	56.43	56.58	56.73	56.88
Short Circuit Current (Isc/A)	13.77	13.84	13.92	13.99	14.06
Voltage at Maximum Power (Vmp/V)	47.32	47.47	47.62	47.77	47.92
Current at Maximum Power (Imp/A)	13.11	13.17	13.23	13.3	13.36
Module Efficiency (%)	22.18	22.36	22.54	22.72	22.90
Operating Temperature	-40° C~+85° C				
Maximum System Voltage	1000/1500V				

STC (Standard Testing Conditions): Irradiance 1000W/m^2, Cell Temperature 25°C , AM1.5

Electrical Data (NMOT)

Maximum Power (Pmax/W)	466	470	474	478	482
Open Circuit Voltage (Voc/V)	53.51	53.66	53.81	53.96	54.11
Short Circuit Current (Isc/A)	11.24	11.3	11.37	11.43	11.49
Voltage at Maximum Power (Vmp/V)	43.82	43.97	44.12	44.27	44.42
Current at Maximum Power (Imp/A)	10.64	10.69	10.75	10.8	10.86

NMOT (Nominal Moudule Operating Temperature): Irradiance 800W/m^2, Ambient Temperature 20°C , AM1.5, Wind Speed 1m/s.

Bifacial Power Generation Parameters (Backside Gains)

5%	Maximum Power (Pmax/W)	651	656	662	667	672
	Module Efficiency (%)	23.29	23.48	23.66	23.85	24.04
15%	Maximum Power (Pmax/W)	713	719	725	730	736
	Module Efficiency (%)	25.51	25.71	25.92	26.12	26.33
25%	Maximum Power (Pmax/W)	775	781	788	794	800
	Module Efficiency (%)	27.73	27.95	28.17	28.40	28.62

Mechanical Data

Cell Type	182×91mm
Cell Orientation	156(6×26)
Module Dimensions	2465×1134×30mm
Weight	34.5kg
Front Glass	2.0mm high transmittance, reinforced glass
Rear Glass	2.0mm part of the structure is grid-like white ceramic glass
Frame Material	Anodized aluminum alloy
Junction Box	Protection class IP68
Cable	4.0 mm^2 positive pole: 200 mm negative pole: 250 mm wire length can be customized

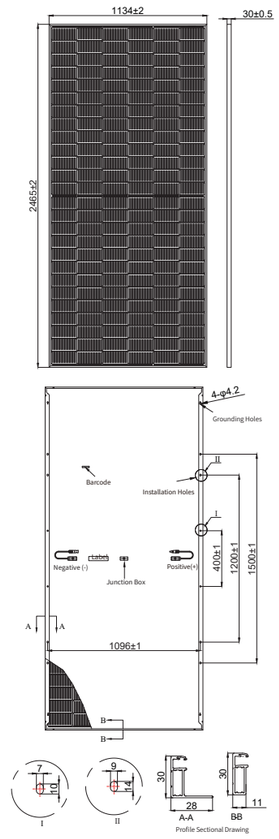
Temperature Coefficients

Temperature Coefficient (Pm)	-0.290%/°C
Temperature Coefficient (Voc)	-0.250%/°C
Temperature Coefficient (Isc)	0.045%/°C
NMOT (Nominal Moudule Operating Temperature)	41±3°C

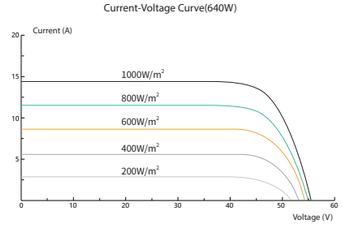
Packaging

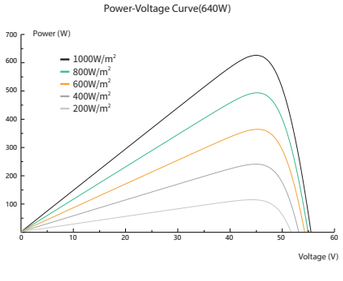
Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	592 pcs	37 pcs +37 pcs

Module Dimensions (mm)



I-V Curve





02 Customized Series

Customized Mono Crystalline Solar Module

Electrical Characteristics Under STC*

Module Type	DYM32-30	DYM32-40	DYM36-50	DYM33-60	DYM33-80
Maximum Power-Pmax (Wp)	30	40	50	60	80
Voltage at Maximum Power-Vmp (V)	18.0	18.0	20.0	18.5	18.5
Current at Maximum Power -Imp (A)	1.67	2.23	2.32	3.25	4.33
Open Circuit Voltage-Voc (V)	21.9	21.9	24.7	22.7	22.7
Short Circuit Current-Isc (A)	1.76	2.35	2.60	3.43	4.58
Module Efficiency-η_m (%)	17.9	15.5	16.3	17.8	18.3
Power Tolerance (W)	0/+3	0/+3	0/+3	0/+3	0/+3
Maximum System Voltage	1500VDC				
Operating Temperature	-40℃ ~ +85℃				

Mechanical Characteristics

Module Type	DYM32-30	DYM32-40	DYM36-50	DYM33-60	DYM33-80
Number of Cells	32 (4×8)	32 (2×16)	36 (3×12)	33 (3×11)	33 (3×11)
Dimension (mm, L*W*H)	430×390×25	660×390×25	520×590×25	570×590×25	740×590×30
Weight (kg)	2.0	3.0	3.6	4.0	5.1
Tempered Glass (mm)	3.2	3.2	3.2	3.2	3.2
Junction Box	IP65	IP65	IP65	IP65	IP65
Cable	/	/	/	/	/

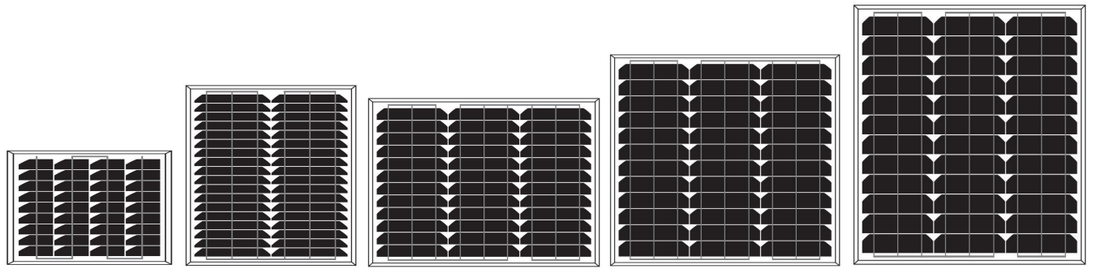
Temperature Characteristics

Temperature coefficient of Pmax	-0.38%/℃
Temperature coefficient of Voc	-0.29%/℃
Temperature coefficient of Isc	0.05%/℃

Warranty

10-year product warranty
10-year warranty for 90% power output
25-year warranty for 80% power output

Attention: The pictures below are only used to compare with each other among the models in this page.



Remarks:

*STC (Standard Testing Conditions) : Irradiance 1000/㎡, Cell temperature 25℃, AM 1.5

*NOCT(Nominal Operating Cell Temperature): Irradiance 800W/㎡, Ambient temperature 20℃, AM 1.5, Wind speed 1m/s

*Electrical data in this sheet don’t refer to a single module. They are not part of the offer, unless particularly stipulated.

Customized Mono Crystalline Solar Module

Electrical Characteristics Under STC*

Module Type	DYM33-100	DYM33-120	DYM33-160	DYM36-180	DYM42-200
Maximum Power-Pmax (Wp)	100	120	160	180	200
Voltage at Maximum Power-Vmp (V)	18.5	18.5	18.5	20.2	23.1
Current at Maximum Power -Imp (A)	5.41	6.49	8.65	8.92	8.66
Open Circuit Voltage-Voc (V)	22.7	22.7	22.7	23.4	27.3
Short Circuit Current-Isc (A)	5.72	6.87	9.15	9.86	9.51
Module Efficiency-η_m (%)	17.8	19.2	19.4	20.0	19.3
Power Tolerance (W)	0/+3	0/+3	0/+3	0/+3	0/+3
Maximum System Voltage	1500VDC				
Operating Temperature	-40℃ ~ +85℃				

Mechanical Characteristics

Module Type	DYM33-100	DYM33-120	DYM33-160	DYM36-180	DYM42-200
Number of Cells	33 (3×11)	33 (3×11)	33 (3×11)	36 (3×12)	42 (3×14)
Dimension (mm)	840×670×30	1070×585×30	1230×670×30	1340×670×30	1550×670×30
Weight (kg)	6.6	7.4	9.7	10.6	12.2
Tempered Glass (mm)	3.2	3.2	3.2	3.2	3.2
Junction Box	IP65	IP65	IP65	IP65	IP65
Cable	/	/	/	/	/

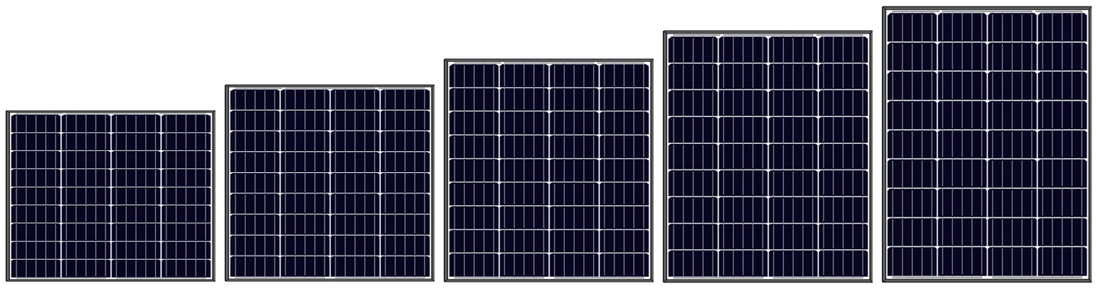
Temperature Characteristics

Temperature coefficient of Pmax	-0.38%/℃
Temperature coefficient of Voc	-0.29%/℃
Temperature coefficient of Isc	0.05%/℃

Warranty

10-year product warranty
10-year warranty for 90% power output
25-year warranty for 80% power output

Attention: The pictures below are only used to compare with each other among the models in this page.



Remarks:

*STC (Standard Testing Conditions) : Irradiance 1000/㎡, Cell temperature 25℃, AM 1.5

*NOCT(Nominal Operating Cell Temperature): Irradiance 800W/㎡, Ambient temperature 20℃, AM 1.5, Wind speed 1m/s

*Electrical data in this sheet don't refer to a single module. They are not part of the offer, unless particularly stipulated.

Customized Mono Crystalline Solar Module

Electrical Characteristics Under STC*

Module Type	DYM56-210	DYM60-230	DYM48-240
Maximum Power-Pmax (Wp)	210	230	240
Voltage at Maximum Power-Vmp (V)	16.3	17.4	28.3
Current at Maximum Power -Imp (A)	12.9	13.3	8.49
Open Circuit Voltage-Voc (V)	19.3	20.7	33.1
Short Circuit Current-Isc (A)	13.9	14.2	9.30
Module Efficiency-η_m (%)	20.2	20.7	20.3
Power Tolerance (W)	0/+3	0/+3	0/+3
Dimensions (mm, L×W×H)	1350×770×30	1445x770×30	1335×885×30
Weight (kg)	12.2	13.1	13.9
Maximum Series Fuse	20A	20A	15A
Operating Temperature	-40℃ ~ +85℃		
Maximum System Voltage	1000VDC (IEC)		

Electrical Characteristics Under STC*

Module Type	DYM52-260	DYM56-280	DYM60-300
Maximum Power-Pmax (Wp)	260	280	300
Voltage at Maximum Power-Vmp (V)	30.7	32.7	35.4
Current at Maximum Power -Imp (A)	8.47	8.57	8.47
Open Circuit Voltage-Voc (V)	35.9	38.6	41.4
Short Circuit Current-Isc (A)	9.28	9.29	9.29
Module Efficiency-η_m (%)	20.4	20.5	20.5
Power Tolerance (W)	0/+3	0/+3	0/+3
Dimensions (mm, L×W×H)	1440×885×30	1545x885x30	1650x885x30
Weight (kg)	15.0	16.1	17.2
Maximum Series Fuse	15A	15A	15A
Operating Temperature	-40℃ ~ +85℃		
Maximum System Voltage	1000VDC (IEC)		

Mechanical Characteristics

Cell Type	Mono Crystalline
Front Material	Tempered glass 3.2mm
Junction Box	IP65, 900mm cable
Connector	MC4 Compatible

Temperature Characteristics

NOCT	45±2℃
Temperature coefficient of Pmax	-0.38%/℃
Temperature coefficient of Voc	-0.29%/℃
Temperature coefficient of Isc	0.05%/℃

Remarks:

*STC (Standard Testing Conditions) : Irradiance 1000/㎡, Cell temperature 25℃, AM 1.5

*NOCT(Nominal Operating Cell Temperature): Irradiance 800W/㎡, Ambient temperature 20℃, AM 1.5, Wind speed 1m/s

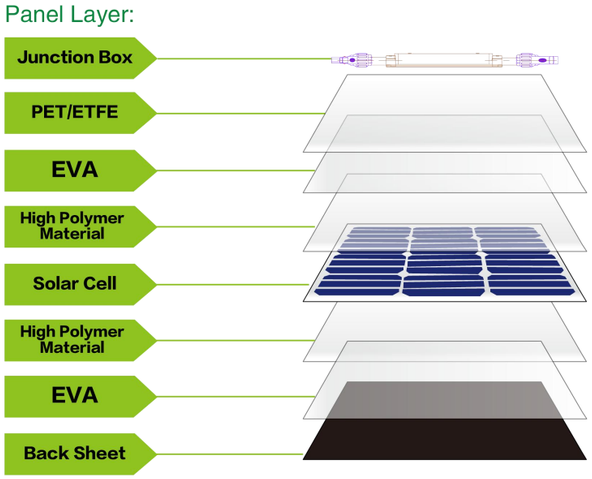
*Electrical data in this sheet don't refer to a single module. They are not part of the offer, unless particularly stipulated.

03 Flexible Series

Updated Features

The adoption of high polymer material (crack-resistance film) brings essential improvement of DEYI semi-flexible solar panels.

1. Higher resistance to micro-crack;
2. Longer lifetime and better power generating efficiency and constancy;
3. Wider power range. Highly improved mechanical performance makes larger panel sizes practicable. Now the power range can stretch to 300W or even higher, up to customer demand.



Application Scenes

Golf Cart


Buss Station


Sightseeing Bus


Curved Shed-top

Semi-flexible Series 100-200 Watts

Electrical Characteristics Under STC*

Module Type	DY-MB21033-100	DYS33FL-120	DYS30FL-140
Maximum Power-Pmax (Wp)	100	120	140
Voltage at Maximum Power-Vmp (V)	19.1	19.1	17.7
Current at Maximum Power -Imp (A)	5.24	6.29	7.91
Open Circuit Voltage-Voc (V)	22.8	22.8	20.7
Short Circuit Current-Isc (A)	5.82	6.74	8.67
Module Efficiency-η_m (%)	17.2	18.5	18.0
Power Tolerance (W)	0/+3	0/+3	0/+3
Dimensions (mm, L×W×H)	860×675×3	1100x590×3	1150×675×3
Weight (kg)	1.7	1.9	2.3
Maximum System Voltage		1000VDC (IEC)	
Operating Temperature		-40℃ ~ +85℃	
Maximum Series Fuse		15A	

Electrical Characteristics Under STC*

Module Type	DYS33FL-160	DYS36FL-180	DYS30FL-200
Maximum Power-Pmax (Wp)	160	180	200
Voltage at Maximum Power-Vmp (V)	19.1	20.9	17.7
Current at Maximum Power -Imp (A)	8.38	8.62	11.3
Open Circuit Voltage-Voc (V)	22.8	24.8	20.7
Short Circuit Current-Isc (A)	8.99	9.30	12.3
Module Efficiency-η_m (%)	18.9	19.5	19.8
Power Tolerance (W)	0/+3	0/+3	0/+3
Dimensions (mm, L×W×H)	1255×675×3	1365x675x3	1500x675x3
Weight (kg)	2.5	2.7	3.0
Maximum System Voltage		1000VDC (IEC)	
Operating Temperature		-40℃ ~ +85℃	
Maximum Series Fuse		15A	

Mechanical Characteristics

Cell Type	Mono Crystalline
Front Material	PET/ETFE
Junction Box	IP65 (Front Set/Back Set)
Connector	MC4 Compatible

Temperature Characteristics

NOCT	45±2℃
Temperature coefficient of Pmax	-0.38%/℃
Temperature coefficient of Voc	-0.29%/℃
Temperature coefficient of Isc	0.05%/℃

Remarks:

*STC (Standard Testing Conditions) : Irradiance 1000/㎡, Cell temperature 25℃, AM 1.5

*NOCT(Nominal Operating Cell Temperature): Irradiance 800W/㎡, Ambient temperature 20℃, AM 1.5, Wind speed 1m/s

*Electrical data in this sheet don't refer to a single module. They are not part of the offer, unless particularly stipulated.

Semi-flexible Series 210-300 Watts

Electrical Characteristics Under STC*

Module Type	DYS56FL-210	DYS60FL-230	DYS48FL-240
Maximum Power-Pmax (Wp)	210	230	240
Voltage at Maximum Power-Vmp (V)	16.3	17.4	28.3
Current at Maximum Power -Imp (A)	12.9	13.3	8.49
Open Circuit Voltage-Voc (V)	19.3	20.7	33.1
Short Circuit Current-Isc (A)	13.9	14.2	9.30
Module Efficiency-η_m (%)	19.6	20.1	19.8
Power Tolerance (W)	0/+3	0/+3	0/+3
Dimensions (mm, L×W×H)	1380×775×3	1475x775×3	1365×890×3
Weight (kg)	3.2	3.4	3.6
Maximum System Voltage		1000VDC (IEC)	
Operating Temperature		-40℃ ~ +85℃	
Maximum Series Fuse		15A	

Electrical Characteristics Under STC*

Module Type	DYS52FL-260	DYS56FL-280	DYS60FL-300
Maximum Power-Pmax (Wp)	260	280	300
Voltage at Maximum Power-Vmp (V)	30.7	32.7	35.4
Current at Maximum Power -Imp (A)	8.47	8.57	8.47
Open Circuit Voltage-Voc (V)	35.9	38.6	41.4
Short Circuit Current-Isc (A)	9.28	9.29	9.29
Module Efficiency-η_m (%)	19.8	19.9	20.0
Power Tolerance (W)	0/+3	0/+3	0/+3
Dimensions (mm, L×W×H)	1475×890×3	1580x890x3	1685x890x3
Weight (kg)	3.9	4.2	4.4
Maximum System Voltage		1000VDC (IEC)	
Operating Temperature		-40℃ ~ +85℃	
Maximum Series Fuse		15A	

Mechanical Characteristics

Cell Type	Mono Crystalline
Front Material	PET/ETFE
Junction Box	IP65 (Front Set/Back Set)
Connector	MC4 Compatible

Temperature Characteristics

NOCT	45±2℃
Temperature coefficient of Pmax	-0.38%/℃
Temperature coefficient of Voc	-0.29%/℃
Temperature coefficient of Isc	0.05%/℃

Remarks:

*STC (Standard Testing Conditions) : Irradiance 1000/㎡, Cell temperature 25℃, AM 1.5

*NOCT(Nominal Operating Cell Temperature): Irradiance 800W/㎡, Ambient temperature 20℃, AM 1.5, Wind speed 1m/s

*Electrical data in this sheet don't refer to a single module. They are not part of the offer, unless particularly stipulated.

04 Folding Series

Foldable Solar Mat

The foldable solar mat is an important product in Deyi's "Solar Free Travel" series. It features a lightweight and portable design, suitable for a wide range of applications. It's equipped with multiple DC output interfaces, which can solve the charging problems for most daily electronic devices. Very suitale for camping, long-distance travel, outdoor hiking and other personal daily outdoor activities.

Tech Data

Model	DYSM20W-2	DYSM30W-2	DYSM50W-2
Power	20W	30W	50W
Voltage	18V	18V	19V
Current	1.12A	1.67A	2.64A
Folded Size	280*210*25MM	400*210*25MM	450*325*25MM
Unfolded Size	280*540*5MM	400*540*5MM	450*770*5MM
Weight	0.59 KG	0.85 KG	1.35 KG
Stable Voltage Output	Interface: USB/Type-C/DC5521/5525 Output Voltage: 5V/9V/12V/15V/20V Protocol: Support mainstream fast-charging protocol （Huwei/Xiaomi/OPPO/VIVO/Apple/Three Star, etc）		

Optional Stable-voltage Charger

Deyi Renewable Energy Co., Ltd 22 Tengren Road, Shunyi District, Beijing 101300, China
T: +86 (0)10 6048 0298 E-mail: info@deyipv.com Website: www.deyipv.com

Foldable Solar Mat

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Tech Data

Model	DYSM30W-3	DYSM60W-3	DYSM90W-3
Power	30W	60W	90W
Voltage	18V	18V	18V
Current	1.67A	3.34A	5.07A
Folded Size	280*220*25MM	400*270*25MM	460*390*25MM
Unfolded Size	280*780*5MM	400*930*5MM	460*1290*5MM
Weight	0.85 KG	1.5 KG	2.3 KG
Stable Voltage Output	Interface: USB/Type-C/DC5521/5525 Output Voltage: 5V/9V/12V/15V/20V Protocol: Support mainstream fast-charging protocol （Huwei/Xiaomi/OPPO/VIVO/Apple/Three Star, etc）		

Optional Stable-voltage Charger

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Foldable Solar Mat

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Tech Data

Model	DYSM30W-4	DYSM60W-4	DYSM100W-4
Power	30W	60W	100W
Voltage	19.2V	19.2V	19.2V
Current	1.57A	3.13A	5.21A
Folded Size	240*210*30MM	395*215*30MM	450*315*30MM
Unfolded Size	240*960*5MM	395*980*5MM	450*1380*5MM
Weight	0.9 KG	1.5 KG	2.4 KG
Stable Voltage Output	Interface: USB/Type-C/DC5521/5525 Output Voltage: 5V/9V/12V/15V/20V Protocol: Support mainstream fast-charging protocol （Huwei/Xiaomi/OPPO/VIVO/Apple/Three Star, etc）		

Optional Stable-voltage Charger

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T: +86 (0)10 6048 0298 E-mail: info@deyipv.com Website: www.deyipv.com