



Semi-flexible Series

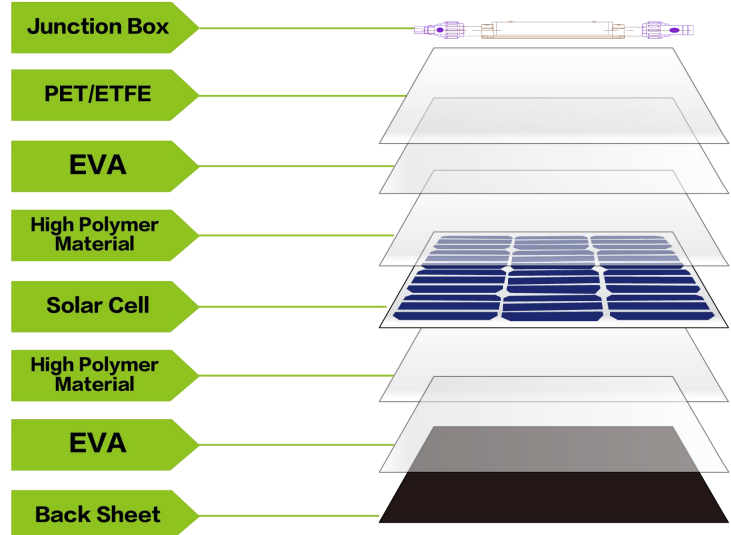
Updated Features

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.



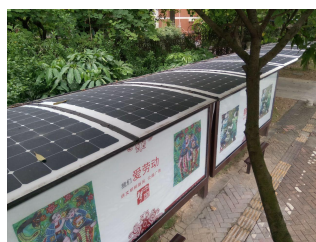
Panel Layer:



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-P _{max} (Wp)	100	120	140
Voltage at Maximum Power-V _{mp} (V)	19.1	19.1	17.7
Current at Maximum Power -I _{mp} (A)	5.24	6.29	7.91
Open Circuit Voltage-V _{oc} (V)	22.8	22.8	20.7
Short Circuit Current-I _{sc} (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	1100×590×3	1150×675×3
Weight (kg)	1.7	1.9	2.3
Maximum System Voltage	1000VDC (IEC)		
Operating Temperature	-40°C ~ +85°C		
Maximum Series Fuse	15A		

Electrical Characteristics Under STC*

Module Type	DYS33FL-160	DYS36FL-180	DYS30FL-200
Maximum Power-P _{max} (Wp)	160	180	200
Voltage at Maximum Power-V _{mp} (V)	19.1	20.9	17.7
Current at Maximum Power -I _{mp} (A)	8.38	8.62	11.3
Open Circuit Voltage-V _{oc} (V)	22.8	24.8	20.7
Short Circuit Current-I _{sc} (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	1365×675×3	1500×675×3
Weight (kg)	2.5	2.7	3.0
Maximum System Voltage	1000VDC (IEC)		
Operating Temperature	-40°C ~ +85°C		
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°C
Temperature coefficient of P _{max}	-0.38%/°C
Temperature coefficient of V _{oc}	-0.29%/°C
Temperature coefficient of I _{sc}	0.05%/°C

Remarks:

*STC (Standard Testing Conditions) : Irradiance 1000/ m^2 , Cell temperature 25°C, AM 1.5

*NOCT(Nominal Operating Cell Temperature): Irradiance 800W/ m^2 , Ambient temperature 20°C, 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-P _{max} (Wp)	210	230	240
Voltage at Maximum Power-V _{mp} (V)	16.3	17.4	28.3
Current at Maximum Power -I _{mp} (A)	12.9	13.3	8.49
Open Circuit Voltage-V _{oc} (V)	19.3	20.7	33.1
Short Circuit Current-I _{sc} (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	1475×775×3	1365×890×3
Weight (kg)	3.2	3.4	3.6
Maximum System Voltage	1000VDC (IEC)		
Operating Temperature	-40°C ~ +85°C		
Maximum Series Fuse	15A		

Electrical Characteristics Under STC*

Module Type	DYS52FL-260	DYS56FL-280	DYS60FL-300
Maximum Power-P _{max} (Wp)	260	280	300
Voltage at Maximum Power-V _{mp} (V)	30.7	32.7	35.4
Current at Maximum Power -I _{mp} (A)	8.47	8.57	8.47
Open Circuit Voltage-V _{oc} (V)	35.9	38.6	41.4
Short Circuit Current-I _{sc} (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	1580×890×3	1685×890×3
Weight (kg)	3.9	4.2	4.4
Maximum System Voltage	1000VDC (IEC)		
Operating Temperature	-40°C ~ +85°C		
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°C
Temperature coefficient of P _{max}	-0.38%/°C
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Remarks:

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