



Solar Panel Manufacturer

With main products:

→ Flexible solar panel

→ Foldable solar panel

→ Lightweight solar panel

Directory

01	Company Profile	02
	About Us	02
	Development History	03
02	ETFE Flexible Solar Panels	04
	MONO Series	04
	BC Cell Series	09
03	ETFE Lightweight Solar Panels	12
	Thick Frame Series	12
	Thin Frame Series	17
04	Foldable Solar Panels	21
	MONO TS Series	21
	BC Cell Series	25
	MONO FR Series	27
	MONO YT Series	30

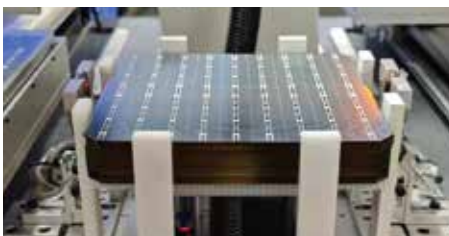


About Us

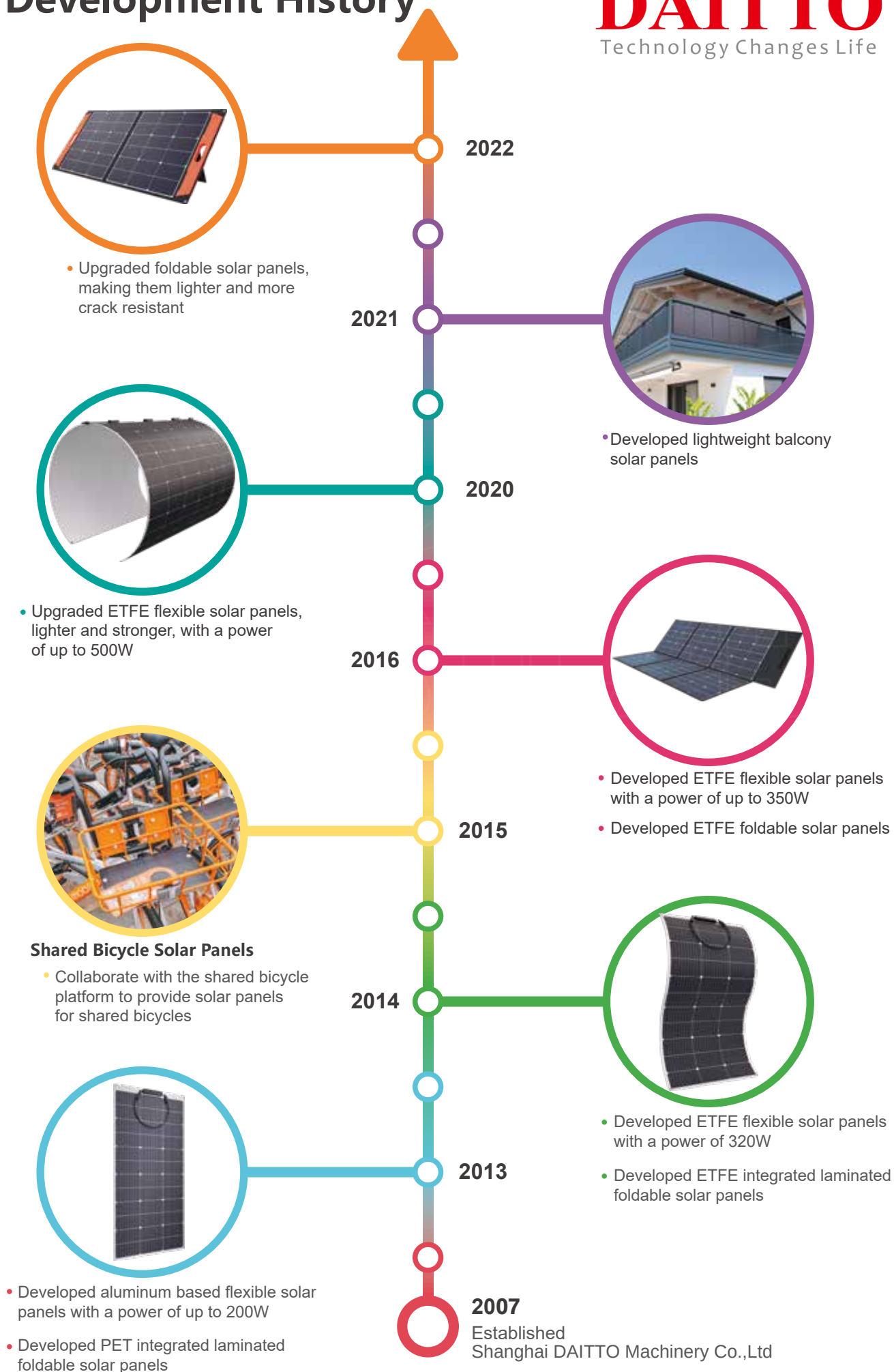
Daitto Technology Development (Shanghai) Co.,Ltd was established in 2007, located in Shanghai, China. Since the birth of the company, we have firmly focused on the R&D and production of solar panels. After years of technology accumulation and market accumulation, we have become one of the earliest and leading solar panel manufacturing factories in China.

We have multiple production lines, including flexible solar panels, foldable solar panels, and framed lightweight solar panels. These products have efficient and stable performance, suitable for use in RVs, yachts, campers, low load-bearing roofs, and other scenarios. What's more worth mentioning is that in order to meet the needs of different customers, we provide highly customized services, whether specifications, shapes or performance, can be customized according to customers' specific requirements.

As a company with a technical background and rich experience,DAITTO always adheres to the principles of technological innovation and quality first to provide customers with the high-quality products and services. We look forward to working with you to create a green and sustainable future.



Development History

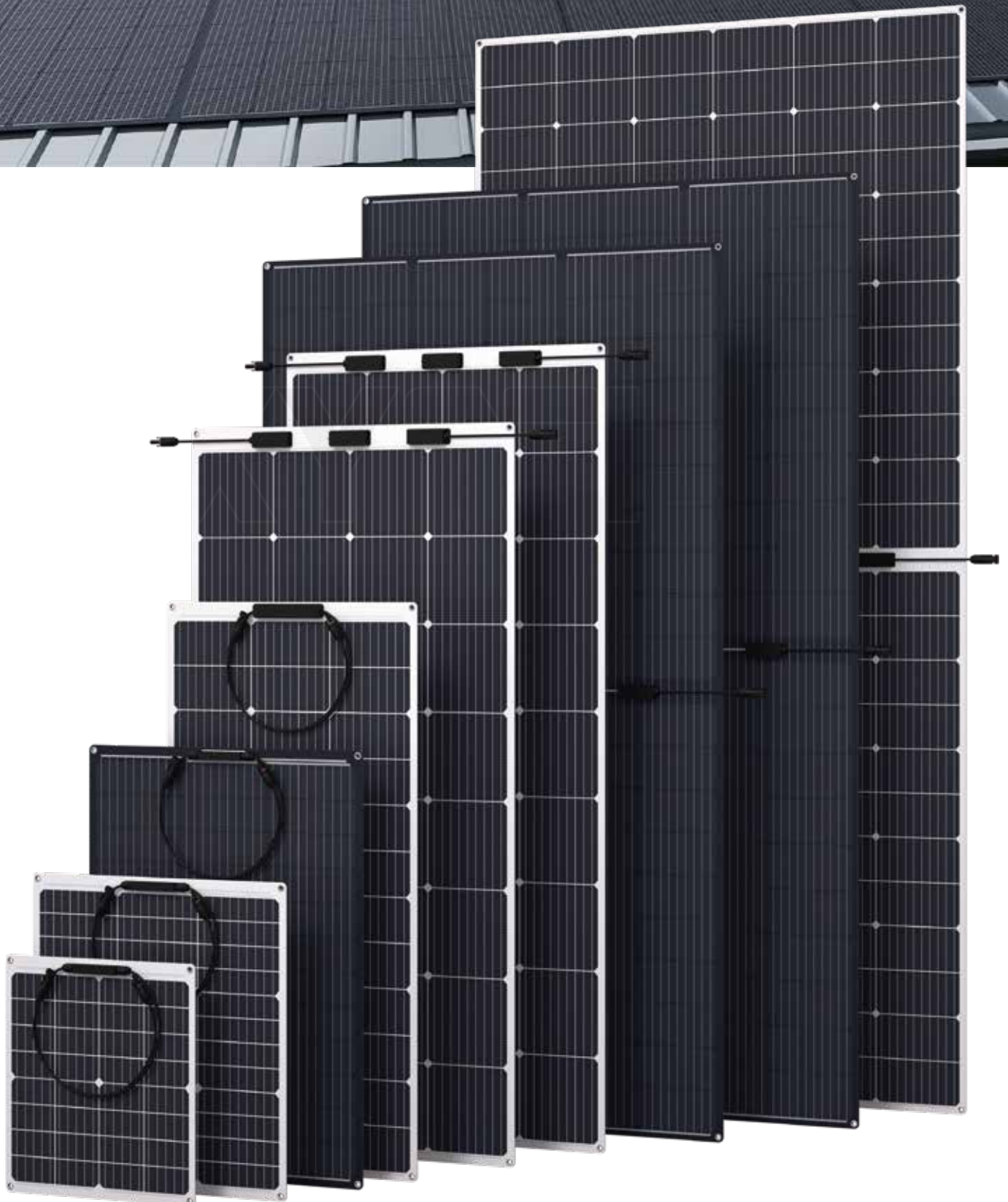




ETFE Flexible Solar Panels

—— MONO Series ——

MONO Flexible Solar Panels



MONO Flexible Solar Panels Specifications:

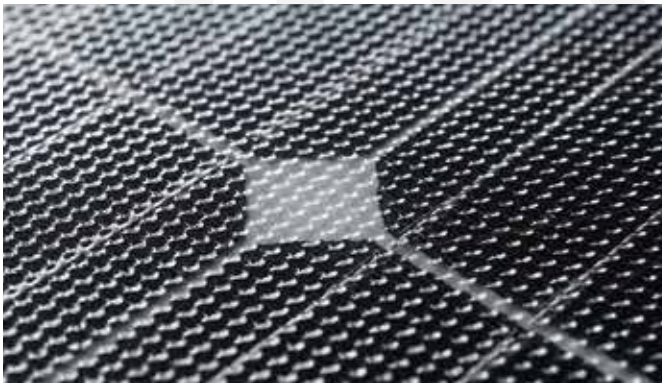
Model	Power	Vmp	Imp	Voc	Isc	Size (mm)	Weight (kg)
DAI-E25M	25W	18.0V	1.39A	22.5V	1.47A	430x395x2.5 mm	0.5 kg
DAI-E50M	50W	20.0V	2.50A	25.0V	2.66A	570x530x2.5 mm	1.0 kg
DAI-E80M	80W	20.0V	4.00A	25.0V	4.25A	800x580x2.5 mm	1.5 kg
DAI-E100M	100W	20.0V	5.00A	25.0V	5.32A	530x1070x2.5 mm	1.8 kg
DAI-E115M	115W	18.5V	6.21A	23.1V	6.61A	580x1070x2.5 mm	2.0 kg
DAI-E130M	130W	20.0V	6.50A	25.0V	6.91A	580x1165x2.5 mm	2.2 kg
DAI-E150M	150W	18.5V	8.11A	23.1V	8.62A	670x1220x2.5 mm	2.7 kg
DAI-E185M	185W	18.0V	10.3A	22.5V	10.8A	700x1410x2.5 mm	3.2 kg
DAI-E200M	200W	20.0V	10.0A	25.0V	10.6A	700x1570x2.5 mm	3.9 kg
DAI-E200H	200W	33.0V	6.06A	41.2V	6.45A	1000x1140x2.5 mm	3.7 kg
DAI-E220M	220W	18.0V	12.2A	22.5V	13.0A	770x1550x2.5 mm	3.9 kg
DAI-E250M	250W	20.0V	12.5A	22.5V	13.3A	770x1735x2.5 mm	4.3 kg
DAI-E350M	350W	33.0V	10.6A	41.2V	11.3A	1035x1780x2.5 mm	6.0 kg
DAI-E420M	420W	33.0V	12.7A	41.2V	13.5A	1130x1940x2.5 mm	7.1 kg
DAI-E430M	430W	40.0V	10.7A	50.0V	11.4A	1035x2120x2.5 mm	7.1 kg
DAI-E500M	500W	40.0V	12.5A	50.0V	13.3A	1130x2310x2.5 mm	8.4 kg

Temperature Characteristics

Maximum System Voltage	600V DC (IEC)
Temperature Coefficient of Pmax	-0.38%/°C
Temperature Coefficient of Voc	-0.36%/°C
Temperature Coefficient of Isc	+0.07%/°C
Power Tolerance	±3%
Operating Temperature	-40°C~85°C
Maximum Series Fuse Rating	20A
Warranty	10 Years
STC: Irradiance 1000W/m ² , Cell temperature 25 °C , AM=1.5. Tolerances of Pmax , Voc and Isc are within ±5%	

The weight of flexible solar panels is about 3.25kg/m².

Can be bent and fitted to curved surfaces without the need for brackets.



ETFE Film

ETFE film lamination, high transmittance, salt spray corrosion resistance, suitable for use in yachts, RVs, roofs, and other scenarios



Bending without damage

Composite fibers are added to the flexible solar panel to prevent cell breakage





BC Series

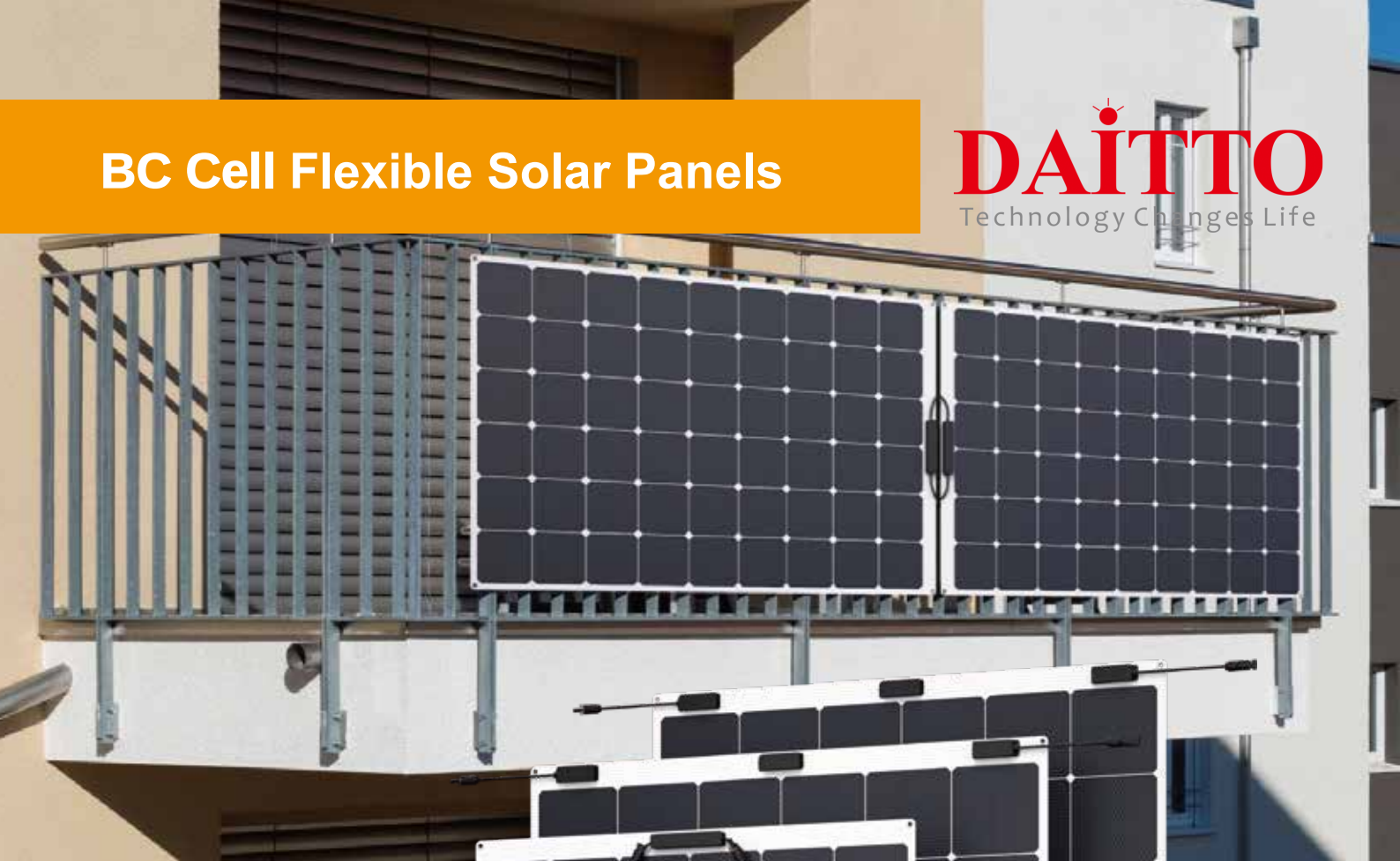
Flexible Solar Panel

ETFE Film / Lightweight / Easy to Install



BC Cell Flexible Solar Panels

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Technology Changes Life



BC CELL Flexible Solar Panels Specifications:

Model	Power	Vmp	Imp	Voc	Isc	Size (mm)	Weight (kg)
DAI-B40S	40W	20.0V	2.00A	24.0V	2.15A	570x410x2.8 mm	0.8 kg
DAI-B50S	50W	20.0V	2.50A	24.0V	2.68A	560x520x2.8 mm	1.0 kg
DAI-B55S	55W	18.0V	3.05A	22.0V	3.28A	570x535x2.8 mm	1.1 kg
DAI-B80S	80W	20.0V	4.00A	24.0V	4.3A	830x535x2.8 mm	1.5 kg
DAI-B100S	100W	20.0V	5.00A	24.0V	5.37A	1050x520x2.8 mm	1.8 kg
DAI-B110S	110W	20.0V	5.50A	24.0V	5.9A	530x1070x2.8 mm	1.9 kg
DAI-B120S	120W	23.0V	5.20A	27.5V	5.6A	520x1210x2.8 mm	2.1 kg
DAI-B135S	135W	22.0V	6.13A	26.5V	6.53A	535x1320x2.8 mm	2.4 kg
DAI-B150M	150W	26.5V	5.66A	31.6V	6.08A	530x1410x2.8 mm	2.5 kg
DAI-B160S	160W	28.0V	5.71A	33.6V	6.14A	530x1500x2.8 mm	2.6 kg
DAI-B170S	170W	27.5V	6.18A	33.0V	6.65A	670x1320x2.8 mm	2.9 kg
DAI-B180S	180W	30.0V	6.00A	35.5V	6.45A	790x1195x2.8 mm	3.1 kg
DAI-B190S	190W	18.0V	10.5A	22.0V	11.3A	685x1360x2.8 mm	3.1 kg
DAI-B200S	200W	18.0V	11.1A	22.0V	11.9A	700x1395x2.8 mm	3.2 kg
DAI-B220S	220W	20.0V	11.0A	24.0V	11.8A	700x1565x2.8 mm	3.6 kg
DAI-B255S	255W	23.0V	11.1A	27.5V	11.9A	870x1400x2.8 mm	4.0 kg
DAI-B300S	300W	27.0V	11.1A	32.0V	11.9A	1035x1410x2.8 mm	4.8 kg
DAI-B325S	325W	28.0V	11.6A	33.0V	12.5A	870x1740x2.8 mm	5.0 kg
DAI-B435S	435W	38.0V	11.4A	45.5V	12.3A	1040x1910x2.8 mm	6.5 kg
DAI-B470S	470W	41.5V	11.3A	49.5V	12.2A	1040x2075x2.8 mm	7.0 kg

Temperature Characteristics	
Maximum System Voltage	600V DC (IEC)
Temperature Coefficient of Pmax	-0.27%/°C
Temperature Coefficient of Voc	-0.236%/°C
Temperature Coefficient of Isc	+0.058%/°C
Power Tolerance	±3%
Operating Temperature	-40°C~85°C
Maximum Series Fuse Rating	20A
Warranty	5 Years
STC: Irradiance 1000W/m ² , Cell temperature 25°C, AM=1.5. Tolerances of Pmax, Voc and Isc are within ±5%	



ETFE Lightweight Solar Panel

—— Thick Frame Series ——







ETFE Lightweight Solar Panel

A combination of flexible solar panels and aluminum frames. The thickness of the aluminum frame is 35mm, and the weight of the solar panel is as light as 5.9kg/m^2



Thick Frame Series Specifications:

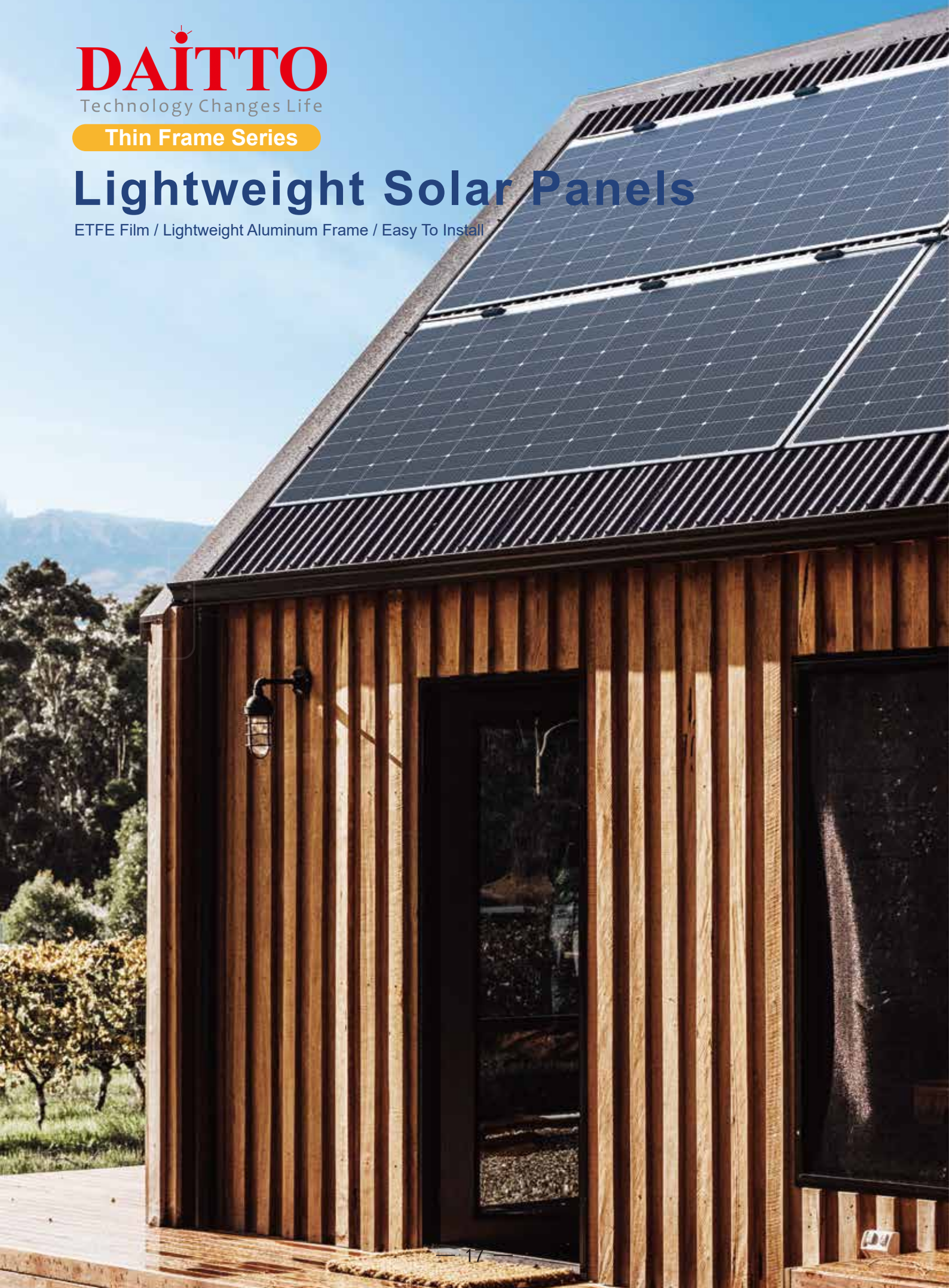
Model	Power	Vmp	Imp	Voc	Isc	Size (mm)	Weight (kg)
DAI-H185M	185W	18.0V	10.3A	22.5V	10.5A	5.7 kg	704x1386x35 mm
DAI-H200M	200W	20.0V	10.0A	25.0V	10.6A	6.5 kg	1040x1062x35 mm
DAI-H220M	220W	18.0V	12.2A	22.5V	13.0A	6.9 kg	768x1530x35 mm
DAI-H250M	250W	20.0V	12.5A	25.0V	13.3A	7.2 kg	704x1714x35 mm
DAI-H350M	350W	33.0V	10.6A	41.2V	11.3A	10.2 kg	1040x1742x35 mm
DAI-H430M	430W	40.0V	10.7A	50.0V	11.4A	12.7 kg	1040x2082x35 mm
DAI-H500M	500W	40.0V	12.5A	50.0V	13.3A	15.2 kg	1136x2274x35 mm
Cell Type							MONO
Photoelectric Conversion Efficiency							>23%
Connector							MC4
Lamination Process							ETFE / PVDF
Thickness of Aluminum Frame							35mm
Support customization of other specifications							

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Thin Frame Series

Lightweight Solar Panels

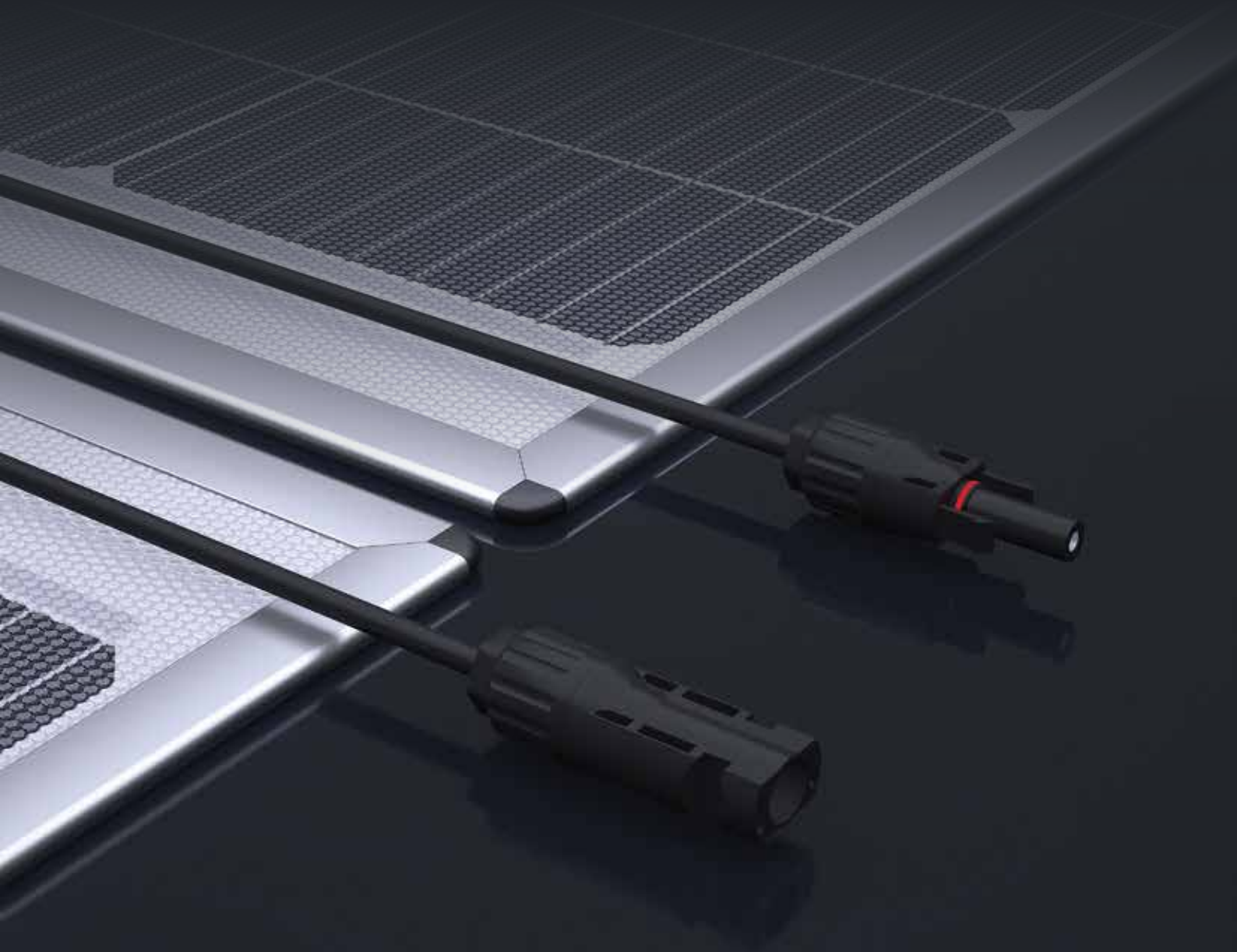
ETFE Film / Lightweight Aluminum Frame / Easy To Install





ETFE Lightweight Solar Panels

—— Thin Frame Series ——



Silver Aluminum Frame



Black Aluminum Frame

5mm Thickness

IP68 Waterproof

Lightweight



Thin Frame Series Specifications :

Model	Power	Vmp	Imp	Voc	Isc	Size (mm)	Weight (kg)
DAI-B100M	100W	20.0V	5.00A	25.0V	5.32A	2.2 kg	568x1114x5 mm
DAI-B160M	160W	20.0V	8.00A	25.0V	8.51A	3.4 kg	912x1057x5 mm
DAI-B200M	200W	20.0V	10.0A	25.0V	10.6A	4.3 kg	1072x1134x5 mm
DAI-B325M	320W	31.0V	10.3A	38.7V	10.9A	6.2 kg	1072x1644x5 mm
DAI-B350M	350W	33.0V	10.6A	41.2V	11.3A	6.8 kg	1072x1814x5 mm
DAI-B420M	430W	40.0V	10.7A	50.0V	11.4A	8.1 kg	1072x2154x5 mm
Cell Type							MONO
Photoelectric Conversion Efficiency							>23%
Connector							MC4
Lamination Process							ETFE / PVDF
Thickness of Aluminum Frame							35mm
Support customization of other specifications							



ETFE Foldable Solar Panels

—— Sewing TS Series ——

Sewing TS Series

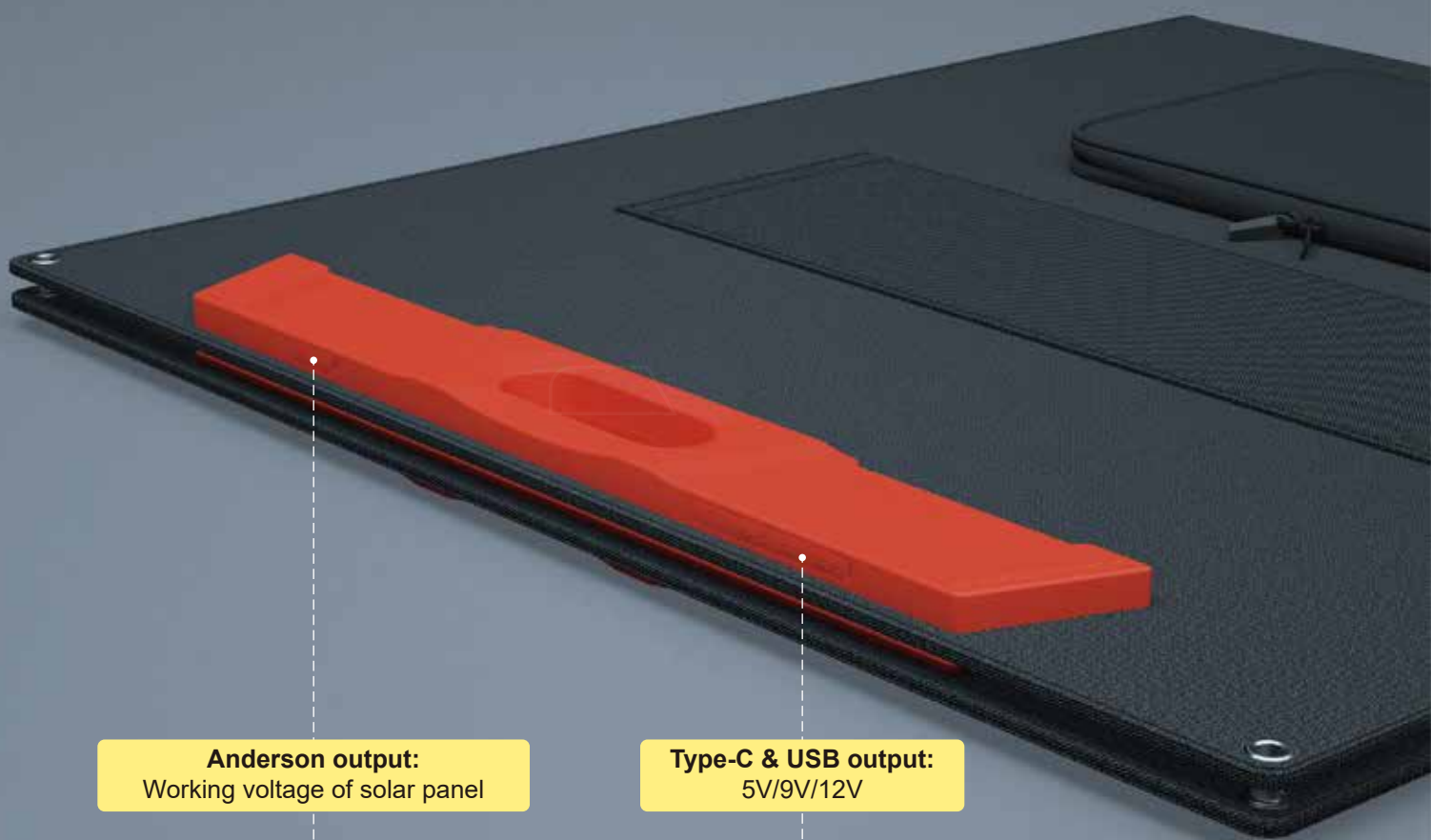
Foldable Solar Panels

ETFE Film / Lightweight and Portable / Magnetic Suction Handle



Stable Output

The handle integrates Anderson / Type C / USB output ports.
Type C / USB ports can simultaneously output 5V/9V/12V,
and Anderson outputs the working voltage of the solar panel



Anderson output:
Working voltage of solar panel

Type-C & USB output:
5V/9V/12V



Anderson Output Port



Type-C / USB Output Port



MONO TS Series Specifications:

Model	Power	Vmp	Imp	Voc	Isc	Weight (kg)	Unfolded Size (mm)	Folded Size (mm)
DAI-TS100M2	100W	18.0V	5.55A	22.5V	5.91A	2.9 kg	1200x540x15 mm	540*600*30 mm
DAI-TS160M4	160W	18.0V	8.80A	22.5V	9.40A	4.2 kg	1840x590x15 mm	590x415x35 mm
DAI-TS200M4	200W	18.0V	11.1A	22.5V	11.8A	4.6 kg	2300x540x15 mm	540x615x45 mm
DAI-TS250M4	250W	18.0V	13.8A	22.5V	14.7A	5.6 kg	2540x595x15 mm	595x760x45 mm
DAI-TS300M4	300W	36.0V	8.30A	45.0V	8.80A	6.7 kg	2060x880x15 mm	640x880x45 mm
DAI-TS400M4	400W	36.0V	11.1A	45.0V	11.8A	9.4 kg	2330x1095x15 mm	1095x710x55 mm
Cell Type								MONO
Photoelectric Conversion Efficiency								>23%
Output Port							Anderson / Type-c / USB	
Lamination Process								ETFE / PVDF
Support customization of other specifications								



ETFE Film

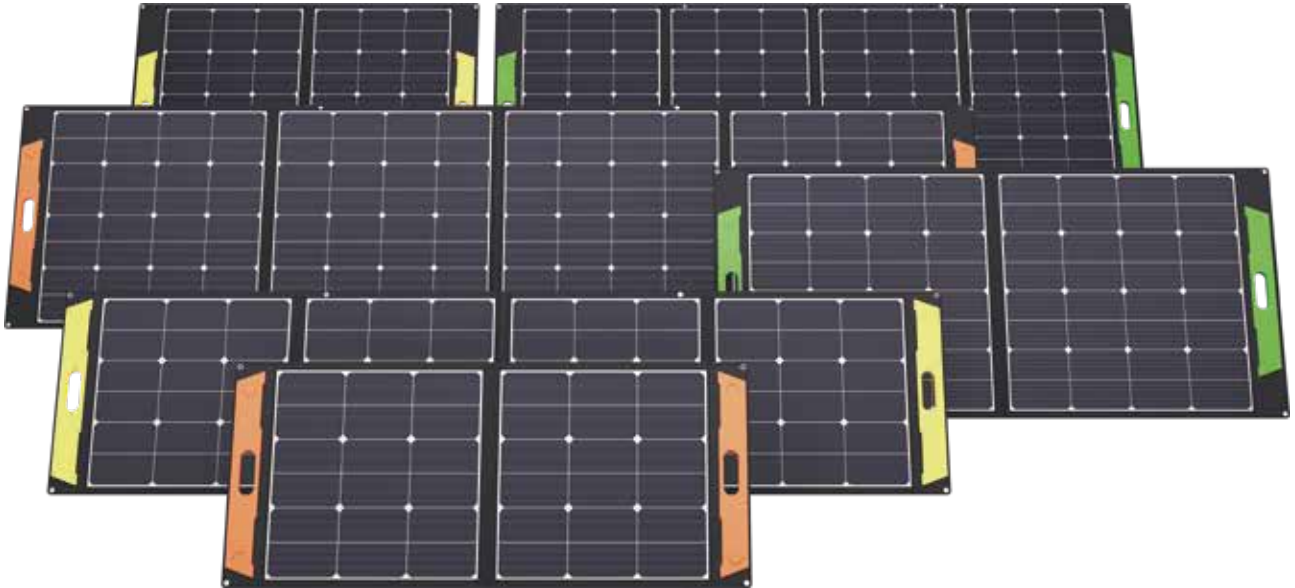


Sewing

ETFE Foldable Solar Panels

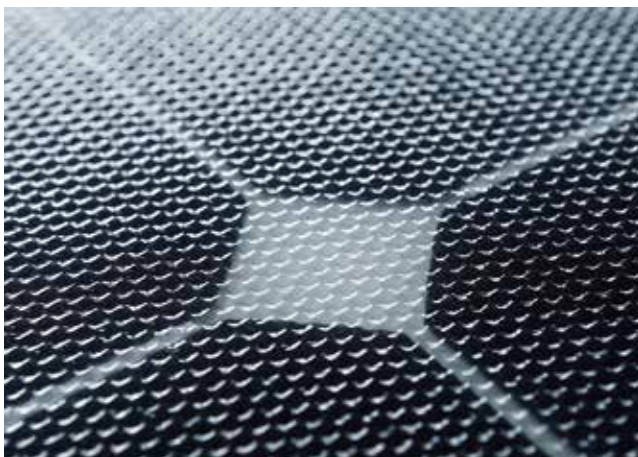
ETFE Film / Lightweight and Portable / Magnetic Suction Handle





BC CELL TS Series Specifications:

Model	Power	Vmp	Imp	Voc	Isc	Weight (kg)	Unfolded Size (mm)	Folded Size (mm)
DAI-TS100S2	100W	20.0V	5.0A	24.0V	5.25A	2.6 kg	1210x530x25 mm	605x530x45 mm
DAI-TS180S2	180W	17.5V	10.3A	21.0V	10.8A	4.0 kg	1210x860x25 mm	605x860x45 mm
DAI-TS200S2	200W	18.0V	11.1A	21.6V	11.7A	4.4 kg	1600x715x25 mm	795x715x45 mm
DAI-TS200S4	200W	20.0V	10.0A	24.0V	10.5A	4.6 kg	2270x530x25 mm	605x530x45 mm
DAI-TS360S4	360W	17.5V	20.6A	21.0V	21.6A	7.4 kg	2270x860x25 mm	605x860x45 mm
DAI-TS400S4	400W	18.0V	22.2A	21.6V	23.3A	8.2 kg	3030x715x25 mm	795x715x45 mm
Cell Type								SunPower
Photoelectric Conversion Efficiency								>23%
Output Port							Anderson / Type-c / USB	
Lamination Process								ETFE
Support customization of other specifications								



ETFE Film



Sewing



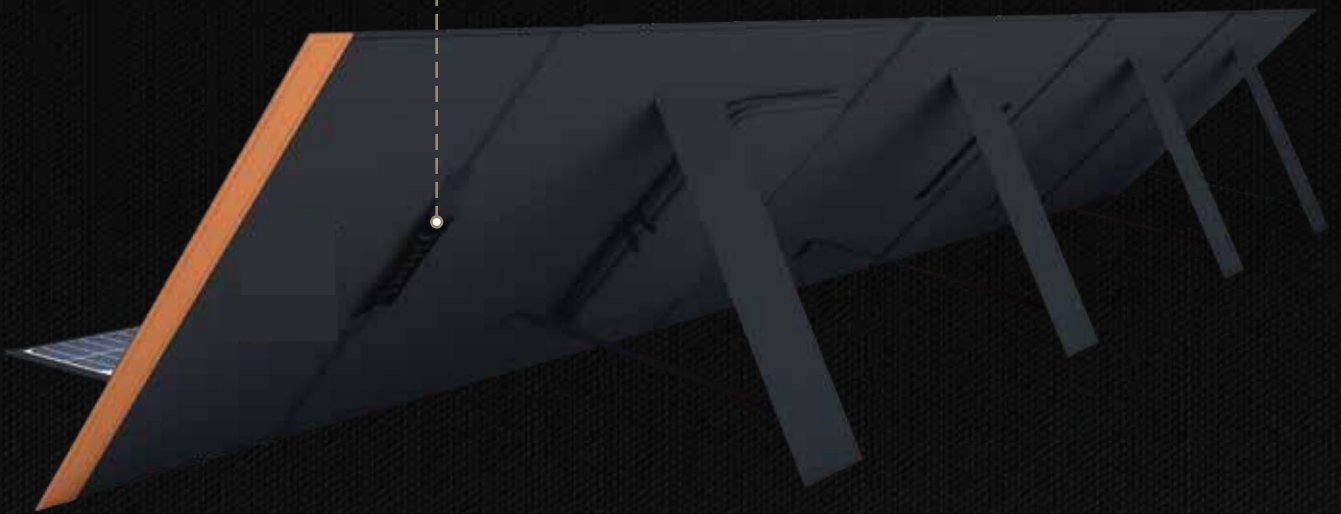
FR Series

MONO Foldable Solar Panel

Light and Thin / Portable / ETFE Film



Soft Rubber Handle



400W Foldable Solar Panel

Vmp: 40V

Imp: 10A

Voc: 50.0V

Isc: 10.6A



MONO FR Series Specifications:

Model	Power	Vmp	Imp	Voc	Isc	Weight (kg)	Unfolded Size (mm)	Folded Size (mm)
DAI-FR100M	100W	20.0V	5.00A	25.0V	5.32A	2.8 kg	1370x545x15 mm	545*415*30 mm
DAI-FR160M	160W	20.0V	8.00A	25.0V	8.51A	3.7 kg	1840x590x15 mm	590x415x35 mm
DAI-FR200M	200W	20.0V	10.0A	25.0V	10.6A	4.8 kg	1370x1090x15 mm	545x390x45 mm
DAI-FR250M	250W	20.0V	12.5A	25.0V	13.3A	5.6 kg	1470x1190x15 mm	595x420x45 mm
DAI-FR300M	300W	40.0V	7.50A	50.0V	7.98A	7.0 kg	1930x1095x15 mm	550x555x45 mm
DAI-FR400M	400W	40.0V	10.0A	50.0V	10.6A	8.4 kg	2430x1095x15 mm	550x555x55 mm
DAI-FR500M	500W	40.0V	12.5A	50.0V	13.1A	10.5 kg	2980x1095x15 mm	550x555x65 mm
Cell Type								MONO
Photoelectric Conversion Efficiency								>23%
Output Port							Anderson / Type-c / USB	
Lamination Process								ETFE / PVDF
Support customization of other specifications								



ETFE Foldable Solar Panels

—— YT Series ——

YT Series

Foldable Solar Panels

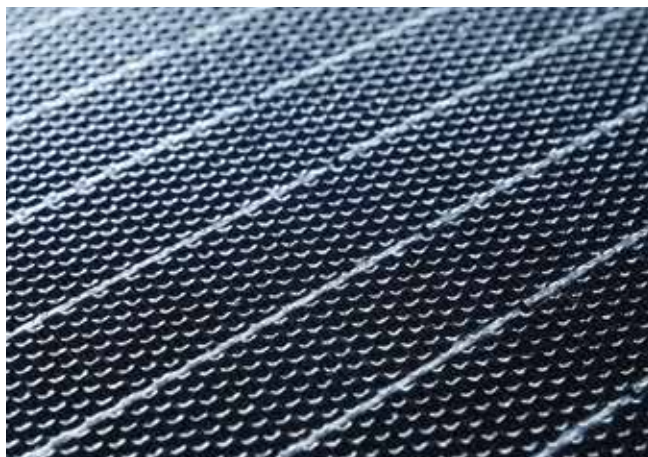
ETFE Film / Lightweight and Portable / Magnetic Suction Handle



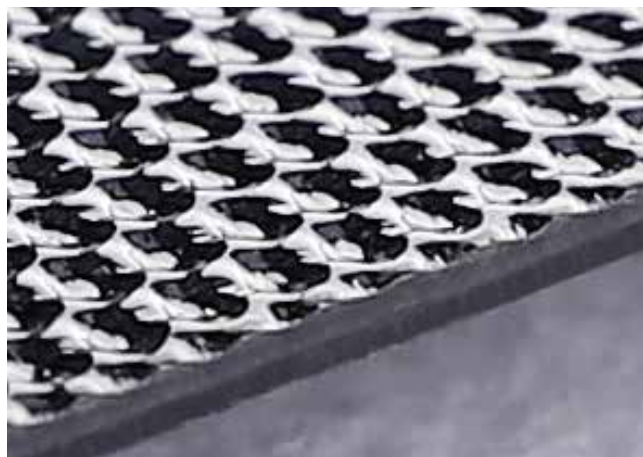


MONO YT Series Specifications:

Model	Power	Vmp	Imp	Voc	Isc	Weight (kg)	Unfolded Size (mm)	Folded Size (mm)
DAI-Y100M	100W	18.0V	5.5A	22.5V	5.9A	3.4 kg	1095x620x24 mm	610x540x42 mm
DAI-Y160M	160W	18.0V	8.8A	22.5V	9.4A	4.9 kg	1810x600x24 mm	600x492x42 mm
DAI-Y200M	200W	18.0V	11.1A	22.5V	11.8A	5.6 kg	2025x610x24 mm	610x550x42 mm
DAI-Y250M	250W	18.0V	13.8A	22.5V	14.7A	6.9 kg	2555x596x24 mm	596x680x24 mm
DAI-Y300M	300W	36.0V	8.3A	45.0V	8.8A	8.4 kg	2080x886x24 mm	886x560x42 mm
DAI-Y400M	400W	36.0V	11.1A	45.0V	11.8A	11.7 kg	2350x1098x24 mm	1098x625x42 mm
Cell Type								MONO
Photoelectric Conversion Efficiency								>23%
Output Port								Anderson / Type-c / USB
Lamination Process								ETFE Integrated Lamination
Support customization of other specifications								



ETFE Film



Integrated Lamination



Contact: 0086 15214300398

Mailbox: info@daittotech.com

Add.: Building 3, Liandong U Valley, No. 2104 Jinshi Road, Baoshan District, 200949 Shanghai, China