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### 4.5V 90mA Thin Film A-Si Solar Module

**Product Features:**

- 1).Waterproof with great voltage output.
- 2).No frame, standard thickness 3.2mm and easy integration.
- 3).Multiple units can be chained serial and/or parallel to increase voltage and current.
- 4).No toxic material.
- 5).Excellent response to low, cloudy and diffusive illumination.
- 6).Any shape and sizes available.
- 7) Outdoor use directly.

**Specification:**

Model No.: A-25

Peak Power: 0.4 Watt

Open Circuit Voltage (Voc): 6.0V

Peak Voltage (Vmp): 4.5V

Short Circuit Current (Isc): 100mA

Peak Current (Imp): 90mA

Output Tolerance:  $\pm 10\%$

Dimension: 140 x 82 x 3.2mm

Operating Temperature:  $-20^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$

Storage Temperature:  $-5^{\circ}\text{C}$  to  $+45^{\circ}\text{C}$

Warranty: 2-year product guarantee

**The configuration relationship between storage batteries and solar panels**

DC Storage Battery	Solar Panel	Related Solar Module
1.2V	1.8V~2V	2 Volt solar panel
1.5V	2.2V-2.5V	2 Volt solar panel
2.4V	3.6V~4V	4 Volt solar panel
3.2V	4.5V-5V	5 Volt solar panel
3.7V	5.5V-6V	6 Volt solar panel
5V	7V-8V	8 Volt solar Panel
6V	9V	9 Volt solar panel
9V	12V-13.5V	13 Volt solar panel
12V	17.2~18V	18 Volt solar panel
18V	24V	24 Volt solar panel
24V	36V	36 Volt solar panel
36V	48V	48 Volt solar panel