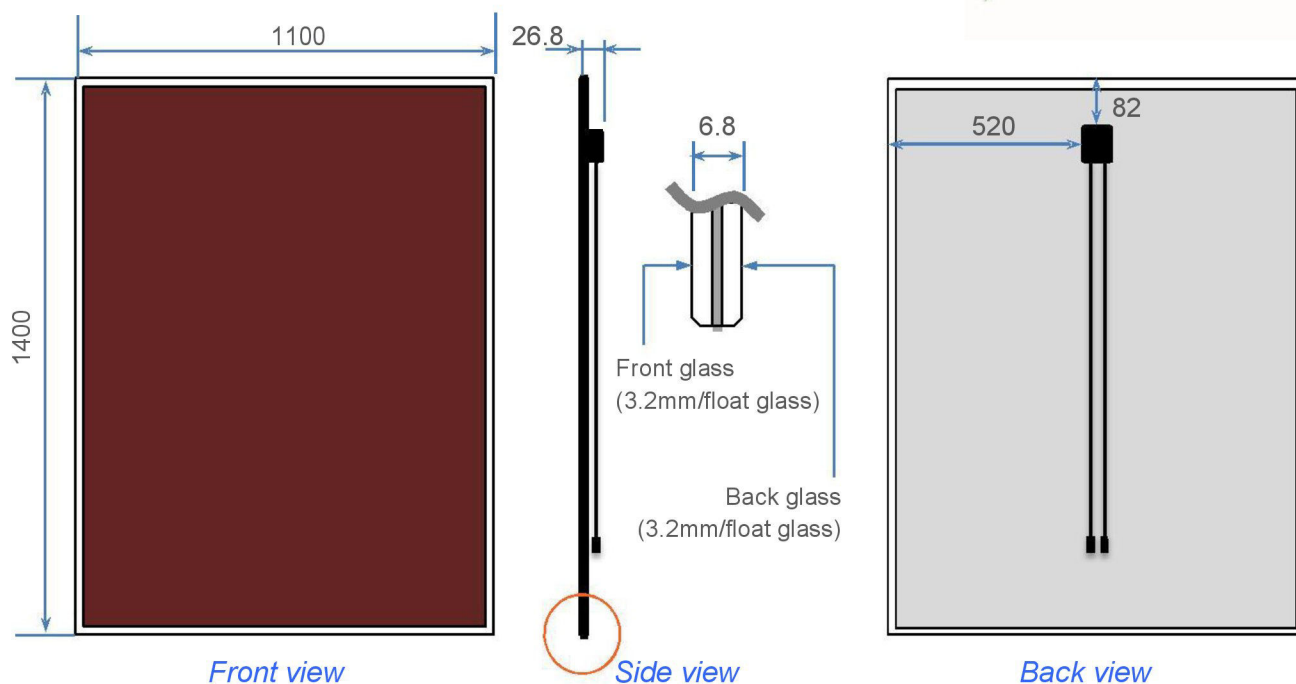


ASG100



Mechanical Specifications

Dimension(L×W×T)	1,400×1,100×6.8 mm
Frame technology	Frameless
Weight	25.5 Kg
Dimension of Junction Box(L×W×T)	75×60×16.5 mm
IP rating of Junction Box	IP65
Connector	MC4
Cable Length	1000 mm
Cable size	2.5 mm ²
Number of Diodes	1
Front glass thickness	3.2 mm

Electrical Specifications

Maximum power (P _{max} at STC)	100 W
Maximum power voltage (V _{pm} at STC)	77 V
Maximum power current (I _{pm} at STC)	1.35 A
Open circuit voltage (V _{oc} at STC)	99 V
Short circuit current (I _{sc} at STC)	1.65 A
Maximum power (P _{max} at NOCT)	79 W
Maximum power voltage (V _{pm} at NOCT)	76 V
Maximum power current (I _{pm} at NOCT)	1.04 A
Open circuit voltage (V _{oc} at NOCT)	96 V
Short circuit current (I _{sc} at NOCT)	1.25 A
Diode average rectified output current (I _o)	10 A *

Datasheet of ASG100_ a-Si Thin Film PV Module

STC: Irradiance of 100mW/cm², AM1.5 Spectrum, and cell temperature of 25°C (77°F).

NOCT: The estimated temperature of a solar PV module when it is operating under 800 W/m² irradiance, 20°C ambient temperature and a wind speed of 1 meter per second)

Maximum power may vary by ±5%, and other electrical data may vary by ±10%.

* 50Hz Full Sine Wave, 1 cycle, Non-repetitive

Installation Specifications

Maximum System Voltage	600 V
Module operating temperature	- 40°C to +85°C

Temperature Coefficients

Open Circuit Voltage	-0.33 %/ °C
Short Circuit Current	0.09 %/ °C
Maximum Power	-0.20 %/ °C
Voltage at Maximum Power	-0.32 %/ °C
Current at Maximum Power	0.14 %/ °C

Characteristic Curves

