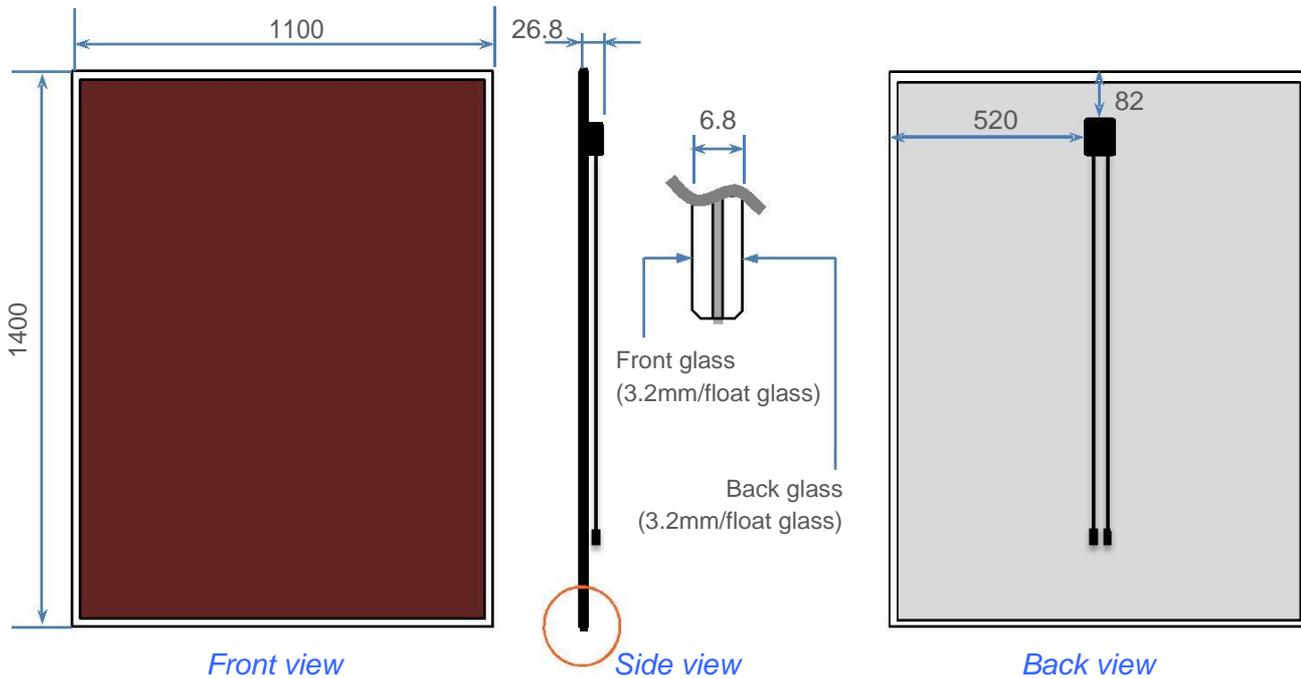


ASG100



Mechanical Specifications

Dimension(LxWxT)	1,400x1,100x6.8 mm
Frame technology	Frameless
Weight	25.5 Kg
Dimension of Junction Box(LxWxT)	75x60x16.5 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

