

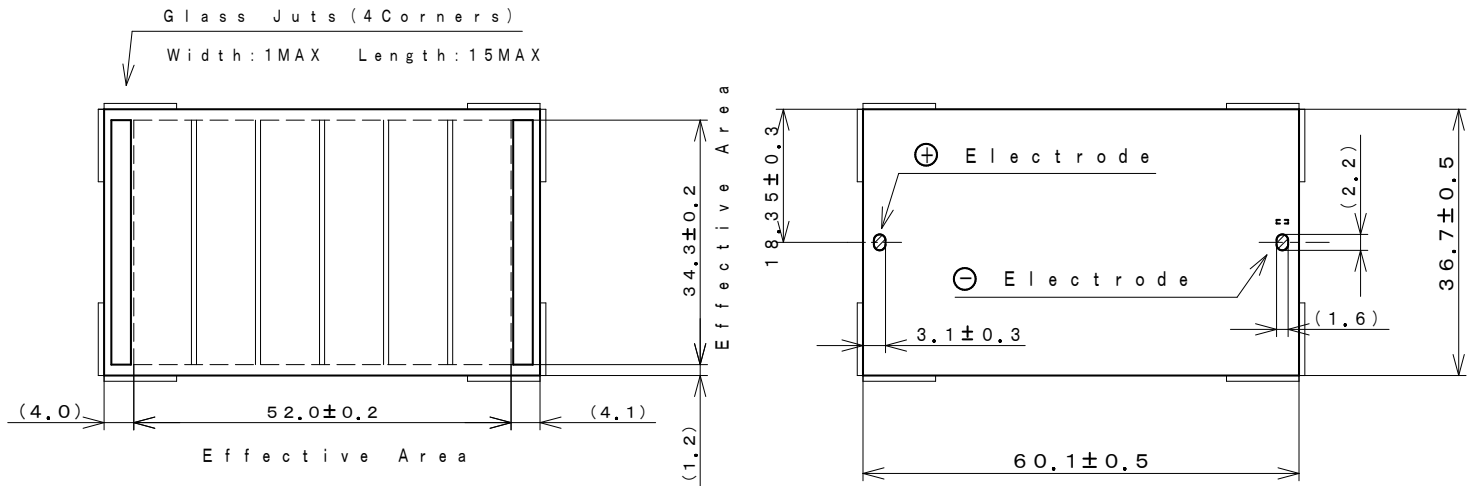
## アモルファスシリコン太陽電池 仕様

Model : AM-5613C-T

## 1. Outside dimensions 外形寸法

Light Receiving Side (受光面)

Overcoat Side (オーハーフコート面)



(dimension : mm)

## Note

Glass Substrate Thickness (ガラス基板厚) : 1.6mm ± 0.2

Module Thickness (モジュール厚) : 2.0mm MAX

Accepts normal soldering for bending

(一般の半田を使用してリフト線付けが可能です。)

## 2. Rated Specifications (at 25°C)

Item	Specifications (Initial)
2.1 Open circuit voltage : Voc 開放電圧	Typical 5.1V at 50kLx SS
2.2 Short circuit Current : Isc 短絡電流	Typical 15.6mA at 50kLx SS
2.3 Operating Voltage & Operating Current : Vope - Iope 動作特性	Minimum 3.0V - 11.0mA at 50kLx SS
	Typical 3.3V - 14.5mA at 50kLx SS
	Typical 3.3V - 31.6mA at AM-1.5 100mW/cm <sup>2</sup>
2.4 Maximum output : Pmax & optimum operating Volt : Vop optimum operating Current : Iop 最大出力	(reference) 52mW Vop=3.9V Iop=13.3mA at 50kLx SS
	(reference) 110mW Vop=3.9V Iop=28.2mA at AM-1.5 100mW/cm <sup>2</sup>
2.5 Working temperature range : Topr 動作温度範囲	-10 to 60°C
2.6 Storage temperature range : Tstg 保存温度範囲	-20 to 70°C

SS : Solar Simulator

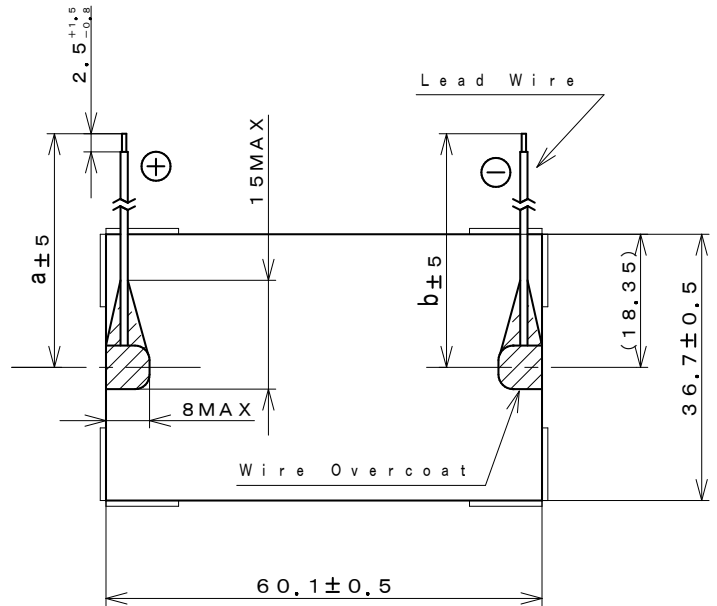
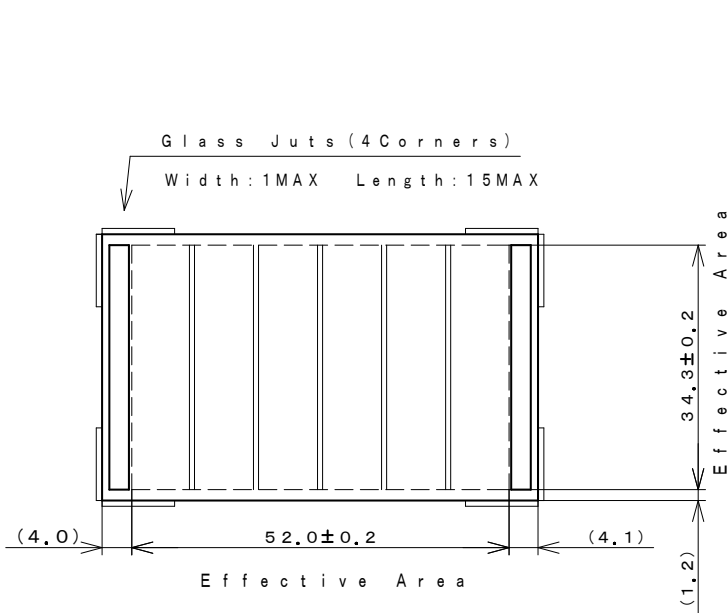
アモルファスシリコン太陽電池 仕様

Model : AM-5613CAR-T

1. Outside dimensions 外形寸法

Light Receiving Side (受光面)

Overcoat Side (オーハークート面)



(dimension : mm)

Lead Wires : AWG28	
a : 100	b : 100

Note  
 Glass Substrate Thickness (ガラス基板厚) : 1.6mm ± 0.2  
 Module Thickness (モジュール厚) : 2.0mm MAX  
 Wire-Overcoat Thickness : 3.1mm MAX (including Module)  
 (リード線補正コート厚)

2. Rated Specifications (at 25°C)

Item	Specifications (Initial)
2.1 Open circuit voltage : Voc 開放電圧	Typical 5.1V at 50kLx SS
2.2 Short circuit Current : Isc 短絡電流	Typical 15.6mA at 50kLx SS
2.3 Operating Voltage & Operating Current : Vope-Iope 動作特性	Minimum 3.0V - 11.0mA at 50kLx SS
	Typical 3.3V - 14.5mA at 50kLx SS
	Typical 3.3V - 31.6mA at AM-1.5 100mW/cm <sup>2</sup>
2.4 Maximum output : Pmax & optimum operating Volt : Vop optimum operating Current : Iop 最大出力	(reference) 52mW Vop=3.9V Iop=13.3mA at 50kLx SS
	(reference) 110mW Vop=3.9V Iop=28.2mA at AM-1.5 100mW/cm <sup>2</sup>
2.5 Working temperature range : Topr 動作温度範囲	-10 to 60°C
2.6 Storage temperature range : Tstg 保存温度範囲	-20 to 70°C

SS: Solar Simulator

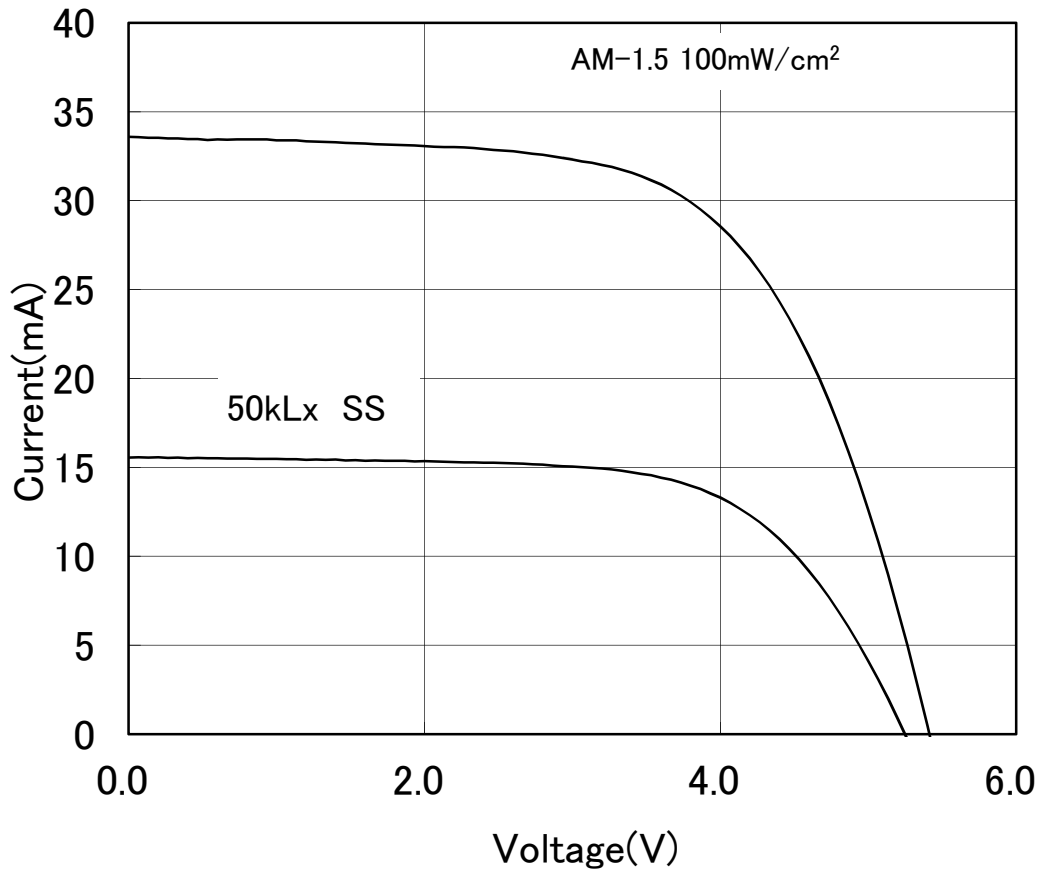
# I - V Characteristics

REFERENCE

1.Model : AM-5613

2.Outside Dimension : 60.1mm × 36.7mm

SS:Solar Simulator



\*このデータは標準的な出力特性を示すものであり、特性を保証するものではありません。

\*The data are meant to show standard electric characteristics only , not intended to guarantee the characteristics.

Panasonic Solar Amorton Co.,Ltd.

2019/5/23

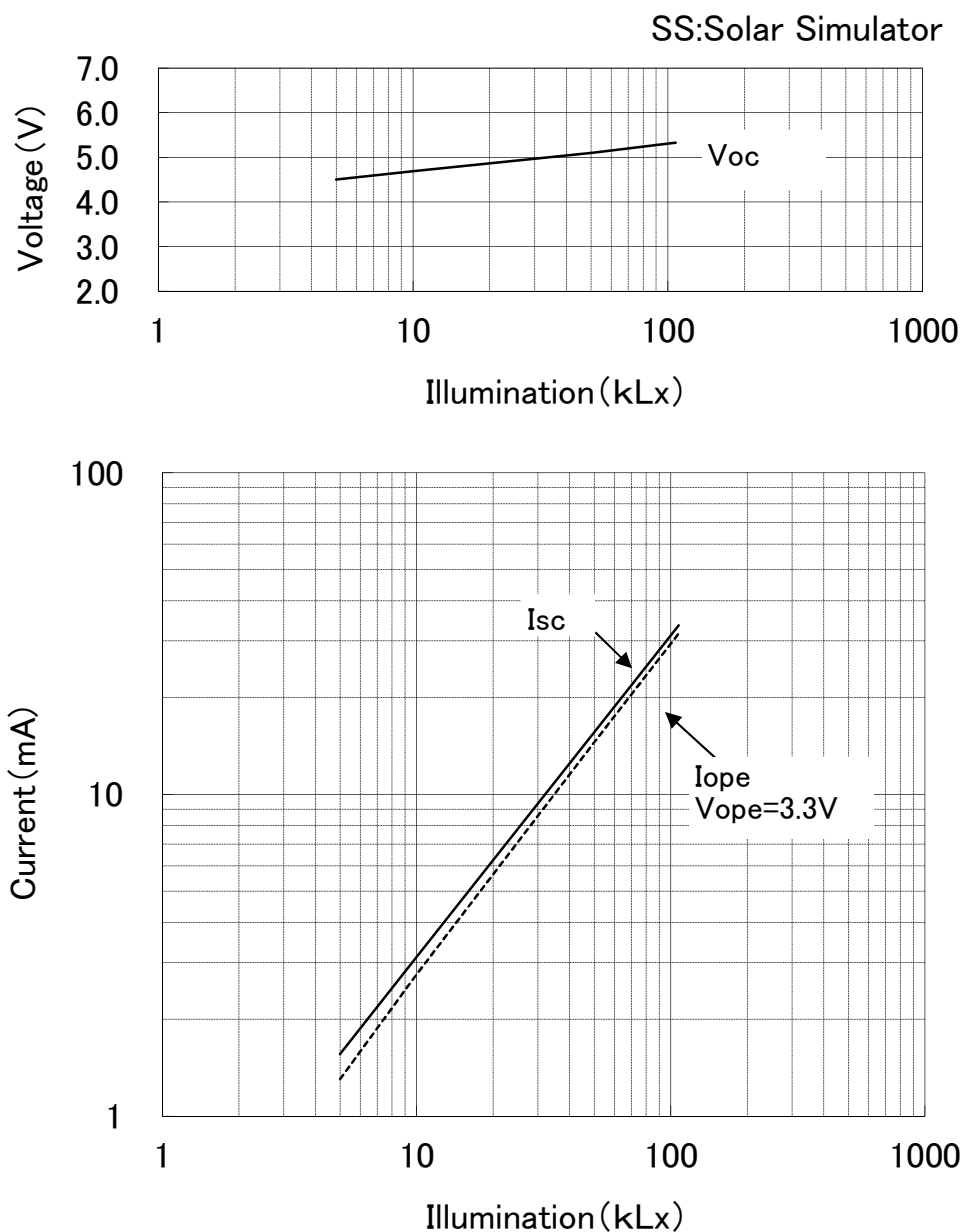
# 出力の照度依存特性

REFERENCE

Dependence of Output on Illumination

1.Model : AM-5613

2.Outside Dimension : 60.1mm × 36.7mm



\*このデータは標準的な出力特性を示すものであり、特性を保証するものではありません。

\*The data are meant to show standard electric characteristics only , not intended to guarantee the characteristics.

Panasonic Solar Amorton Co.,Ltd.

2019/5/23

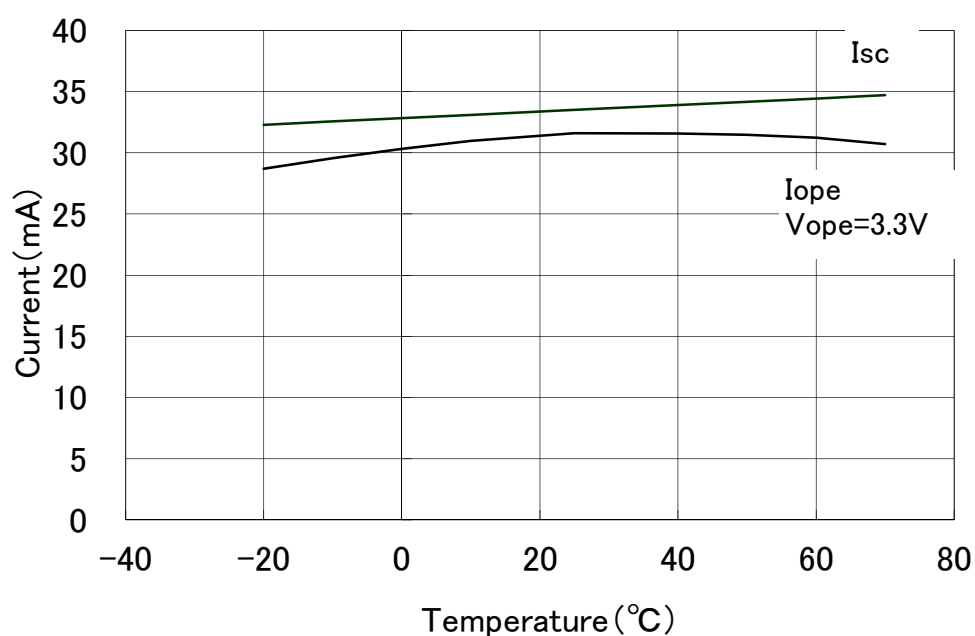
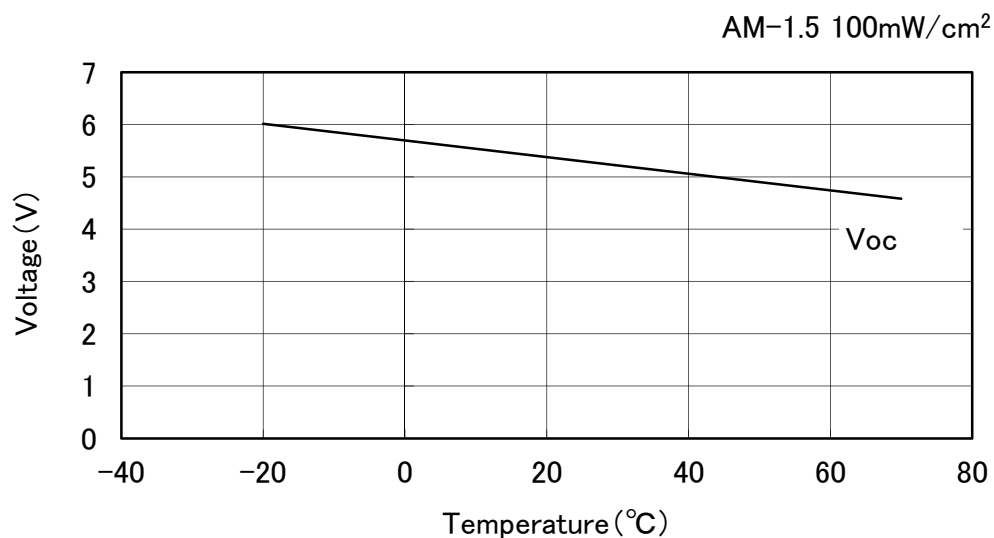
# 出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AM-5613

2.Outside Dimension : 60.1mm × 36.7mm



\*このデータは標準的な出力特性を示すものであり、特性を保証するものではありません。

\*The data are meant to show standard electric characteristics only , not intended to guarantee the characteristics.