

# Amorphous Silicon Solar Cells Specification

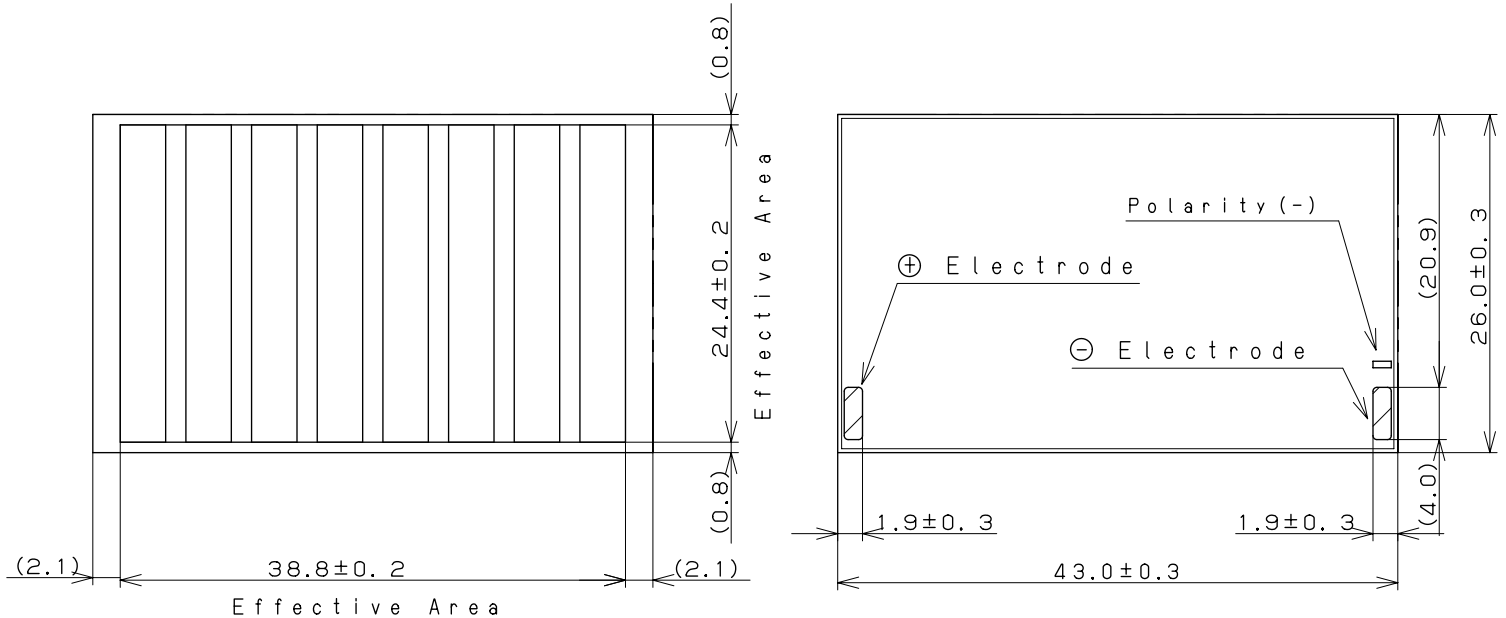
## アモルファスシリコン太陽電池 仕様

Model : AM-1820C

### 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)

#### Note

Glass Substrate Thickness (ガラス基板厚) :  $1.1 \text{ mm} \pm 0.1$

Module Thickness (モジュール厚) :  $1.3 \text{ mm MAX}$

Accepts normal soldering for bending

(一般の半田を使用してリッ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	5.0V	at 200Lx FL
2.2 Short circuit Current: Isc 短絡電流	Typical	14.8 μA	at 200Lx FL
2.3 Operating Voltage & Operating Current: Vope-lope 動作特性	Typical	2.6V - 3.3 μA	at 50Lx FL
	Minimum	3.0V - 10.6 μA	at 200Lx FL
	Typical	3.0V - 13.8 μA	at 200Lx FL
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		

FL: White Fluorescent Light

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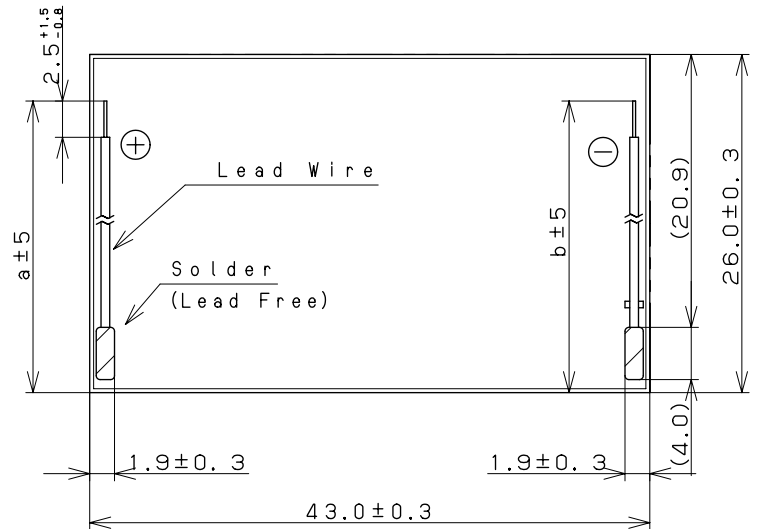
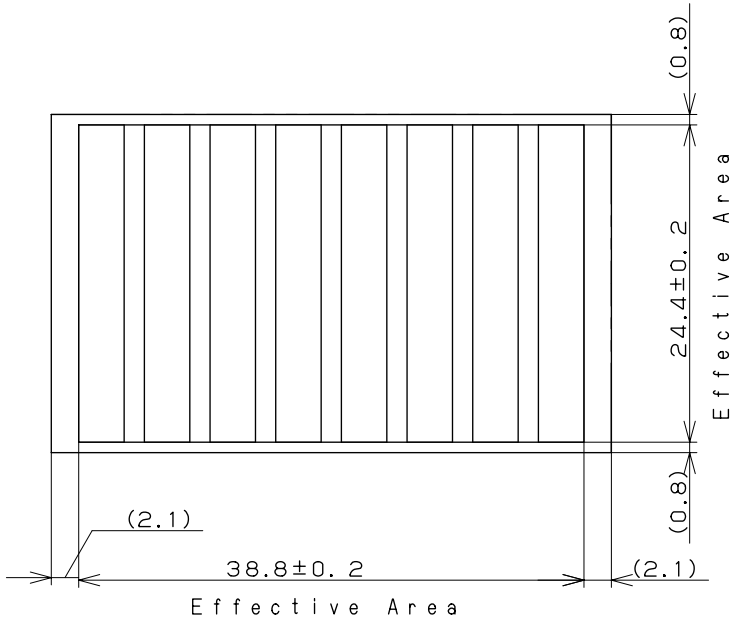
## アモルファスシリコン太陽電池 仕様

Model : AM-1820CA

### 1. Outside dimensions 外形寸法

Light Receiving Side (受光面)

Overcoat Side (オーバーコート面)



(dimension: mm)

Lead Wires : AWG30	
a : 51	b : 51

#### Note

Glass Substrate Thickness (ガラス基板厚) : 1.1mm±0.1

Module Thickness (モジュール厚) : 1.3mmMAX

Wire-Solder thickness : 2.5mmMAX (including Module)  
(リード線半田付け部厚)

### 2. Rated Specifications (at 25°C)

Item	Specifications (Initial)		
2.1 Open circuit voltage: Voc 開放電圧	Typical	5.0V	at 200Lx FL
2.2 Short circuit Current: Isc 短絡電流	Typical	14.8μA	at 200Lx FL
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FL: White Fluorescent Light

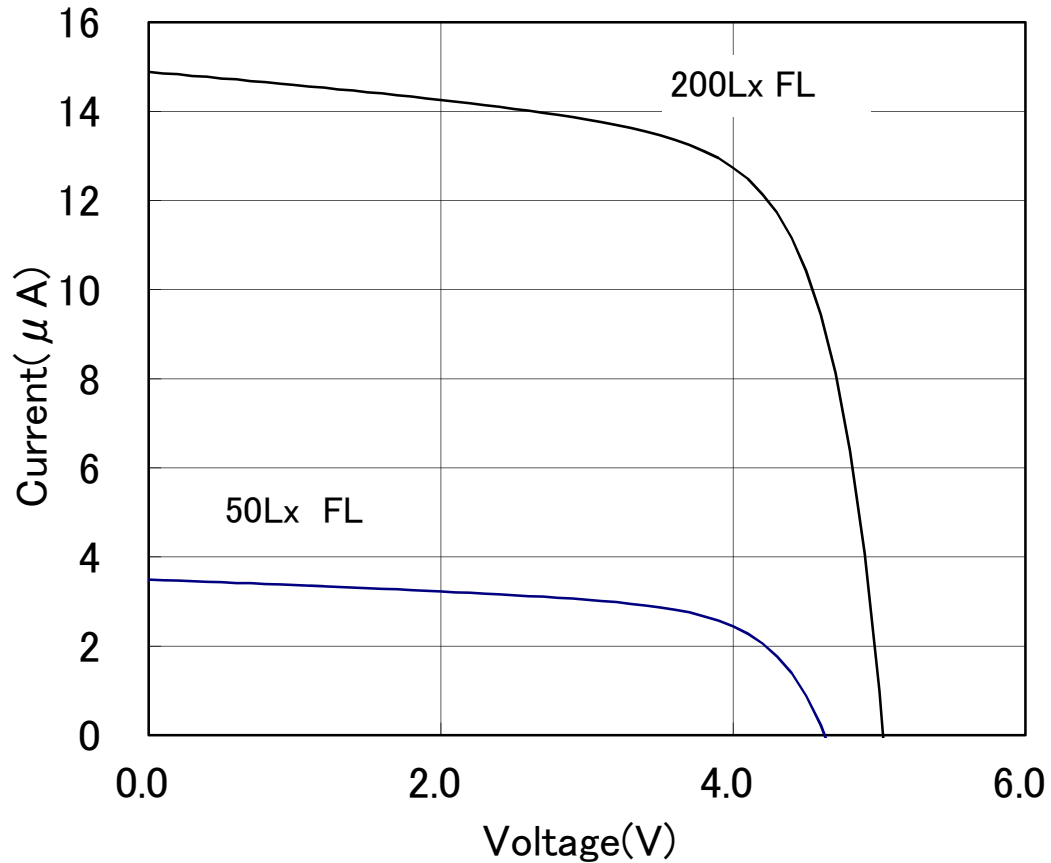
# I - V Characteristics

REFERENCE

1. Model : AM-1820

2. Outside Dimension : 43.0mm × 26.0mm

FL:White Fluorescent Light



\*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.

2019/7/26

# 出力の照度依存特性

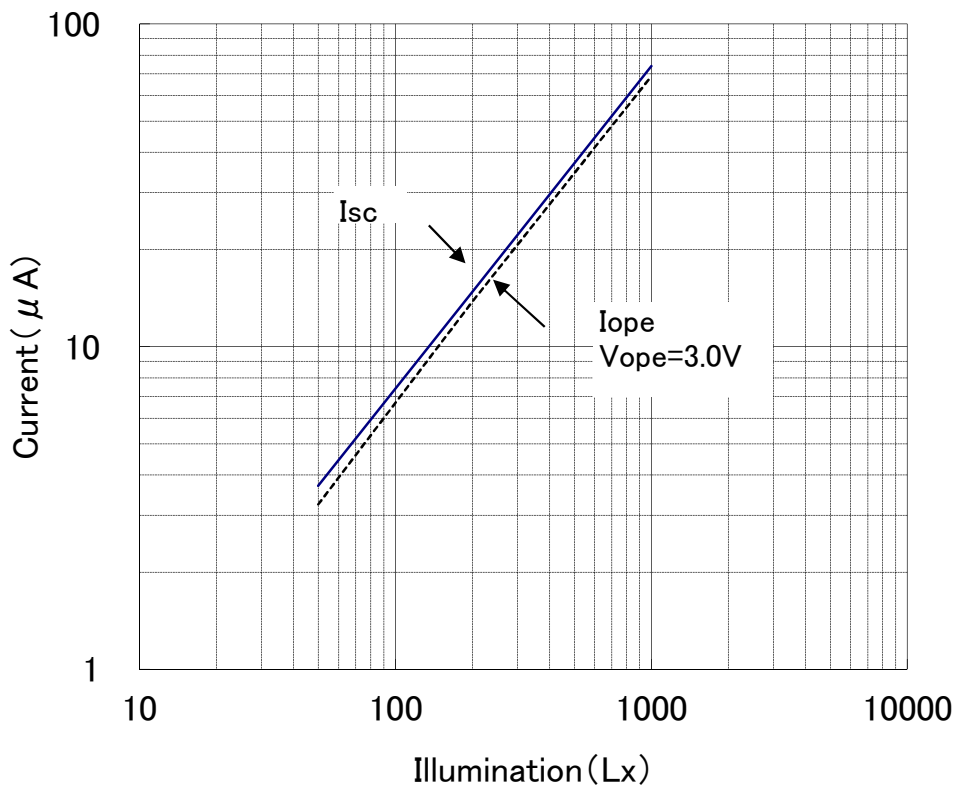
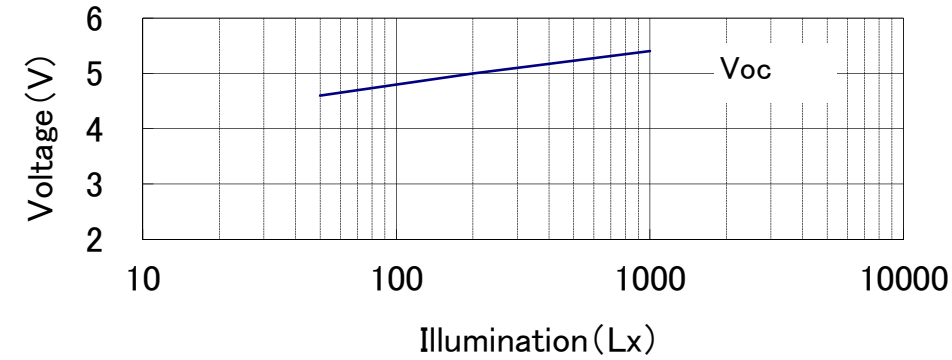
REFERENCE

Dependence of Output on Illumination

1.Model : AM-1820

2.Outside Dimension : 43.0mm × 26.0mm

FL:White Fluorescent Light



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# 出力の温度依存特性

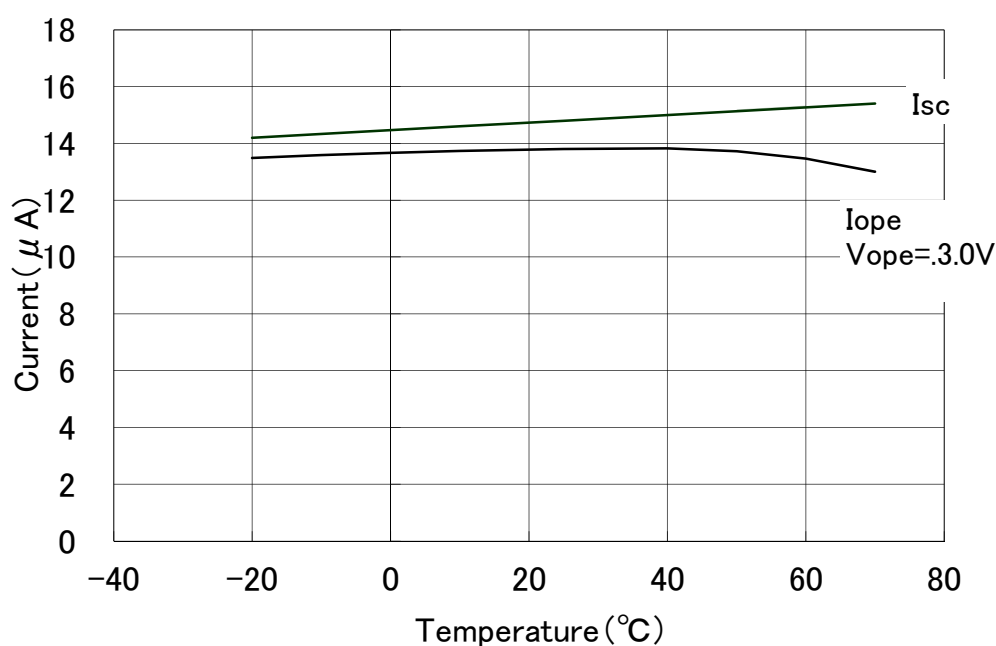
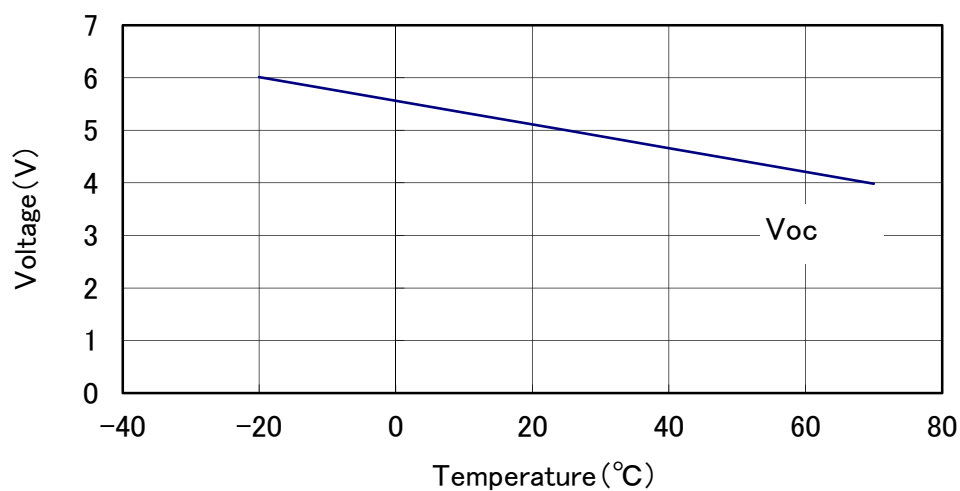
REFERENCE

Dependence of Output on Temperature

1.Model : AM-1820

2.Outside Dimension : 43.0mm × 26.0mm

at 200Lx White Fluorescent Light



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