

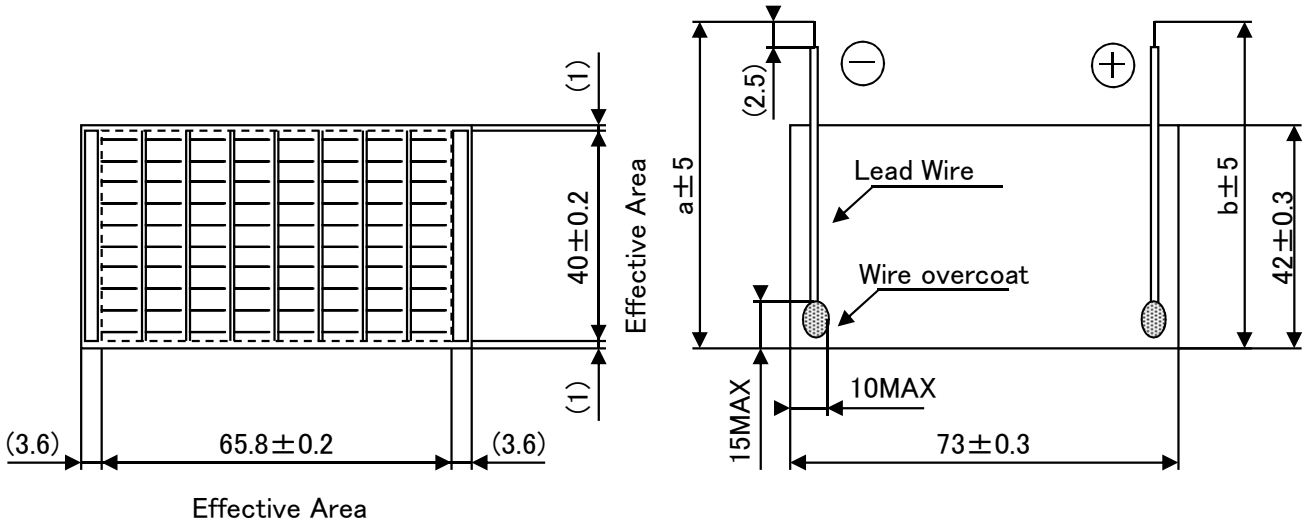
# Amorphous Silicon Solar Cells Specification

## アモルファスシリコン太陽電池 仕様

Model: AT-7802

1. Outside dimensions 外形寸法  
Light Receiving Side(受光面)

Back Side(裏面)



(Dimension:mm)

LEAD WIRES: AWG30	
a: 105	b: 105

Note

Module Thickness(モジュール厚) :  $0.3 \text{ mm} \pm 0.1$

Wire-Overcoat Thickness :  $2.0 \text{ mm MAX}$ (including Module)

2. Rated Specifications(at  $25^\circ\text{C}$ )

Items	Specifications(Initial)		
2.1 Opencircuit voltage: $V_{oc}$ 開放電圧	Typical	6.3 V	at 50kLx SS
2.2 Short circuit Current: $I_{sc}$ 短絡電流	Typical	15.9 mA	at 50kLx SS
2.3 Operating Voltage & Operating Current: $V_{ope}$ - $I_{ope}$ 動作特性	Minimum	4.0 V- 11.0 mA	at 50kLx SS
	Typical	4.0 V- 14.3 mA	at 50kLx SS
	Typical	4.0 V- 29.7 mA	at AM-1.5 $100 \text{ mW/cm}^2$
2.4 Maximum output : $P_{max}$ & optimum operating volt: $V_{op}$ optimum operating current: $I_{op}$ 最大出力	(reference)	$62 \text{ mW}$ $V_{op} = 4.8 \text{ V}$ $I_{op} = 12.9 \text{ mA}$	at 50kLx SS
	(reference)	$127 \text{ mW}$ $V_{op} = 4.8 \text{ V}$ $I_{op} = 26.4 \text{ mA}$	at AM-1.5 $100 \text{ mW/cm}^2$
2.5 Working temperature range 動作温度範囲	-10 to $60^\circ\text{C}$		
2.6 Storage temperature range 保存温度範囲	-20 to $70^\circ\text{C}$		

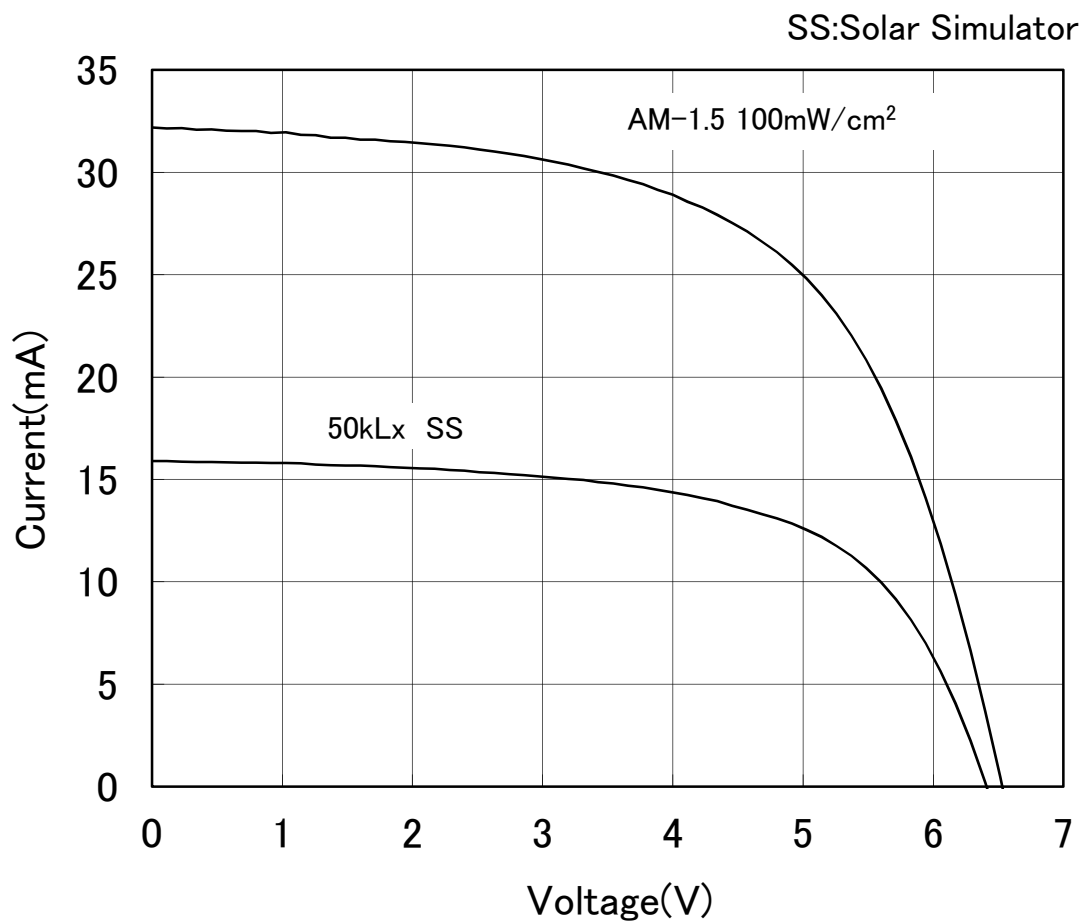
SS:Solar Simulator

# I-V Characteristics

REFERENCE

1.Model : AT-7802

2.Outside Dimension : 73.0mm × 42.0mm



\*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.

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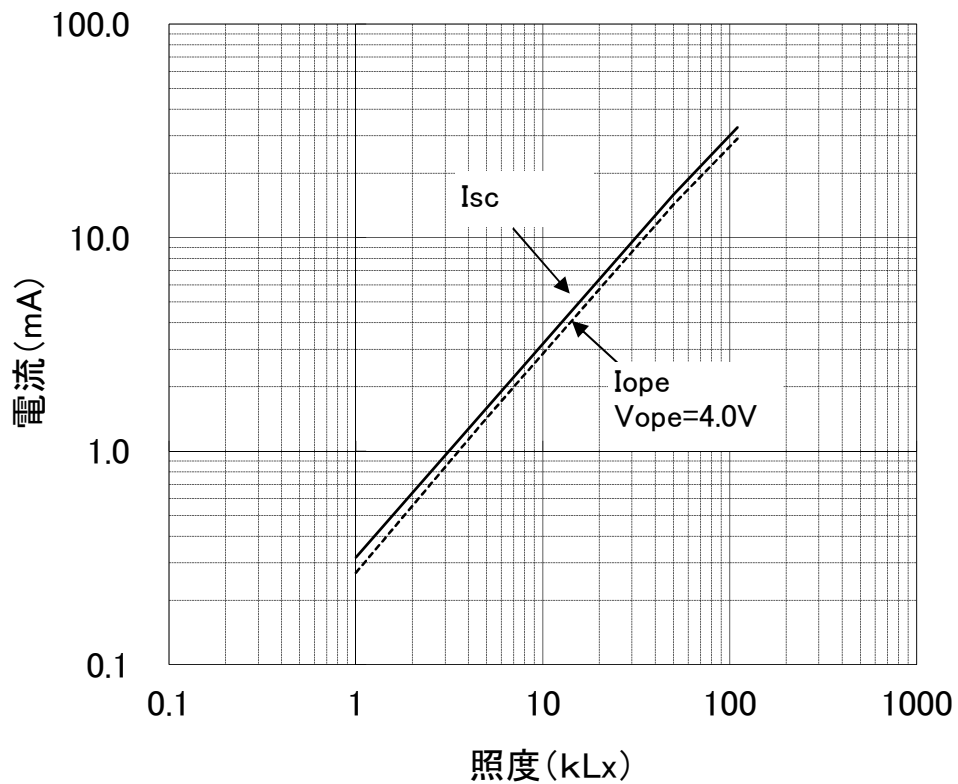
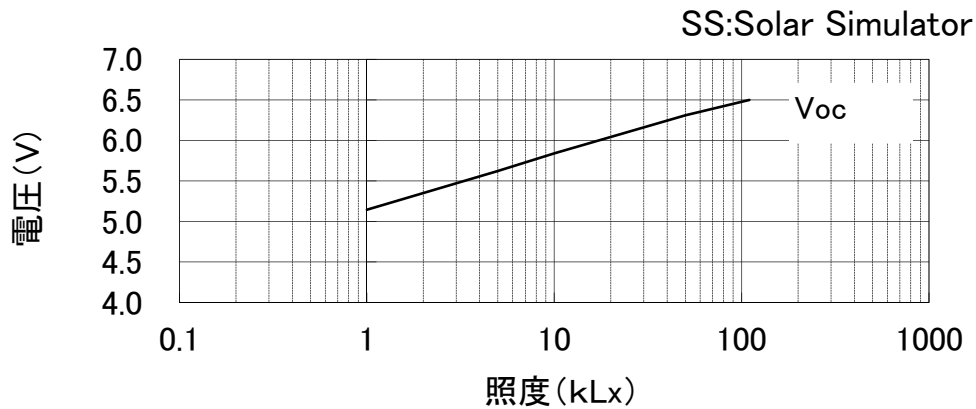
# 出力の照度依存特性

REFERENCE

## Dependence of Output on Illumination

1.Model : AT-7802

2.Outside Dimension : 73.0mm × 42.0mm



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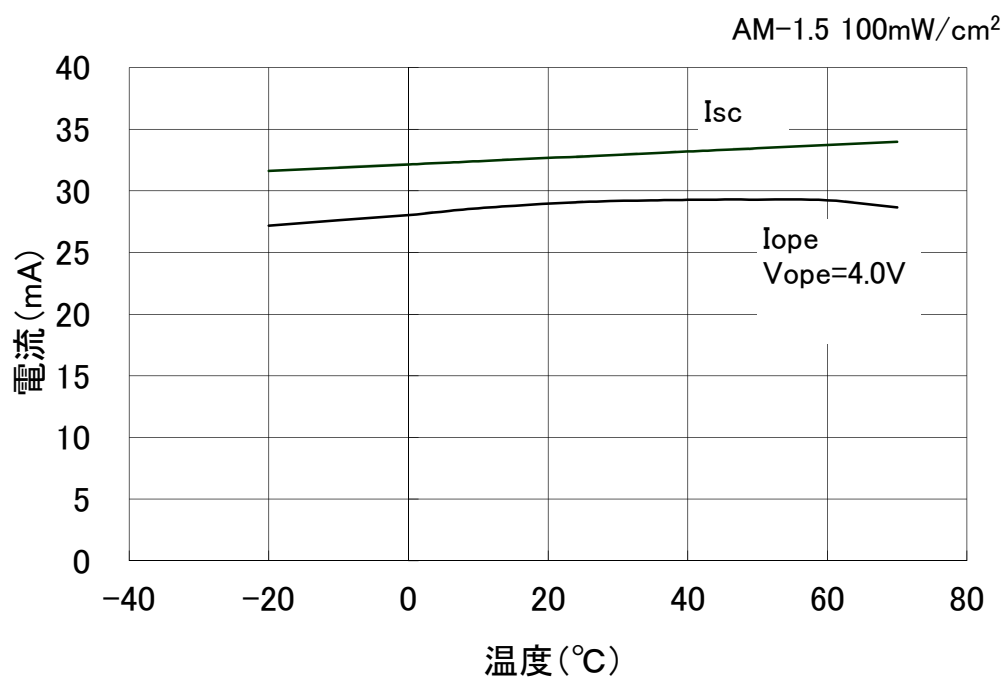
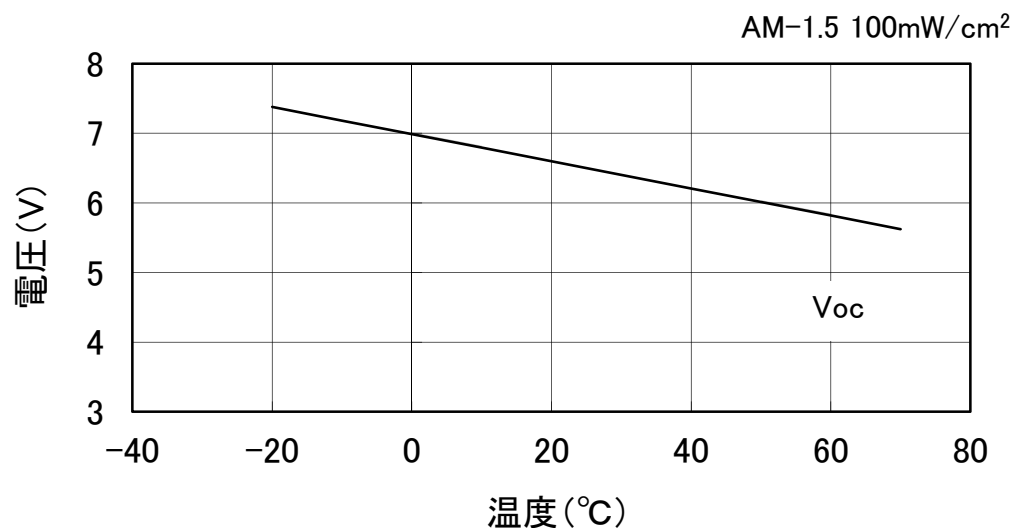
# 出力の温度依存特性

REFERENCE

## Dependence of Output on Temperature

1.Model : AT-7802

2.Outside Dimension : 73.0mm × 42.0mm



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