

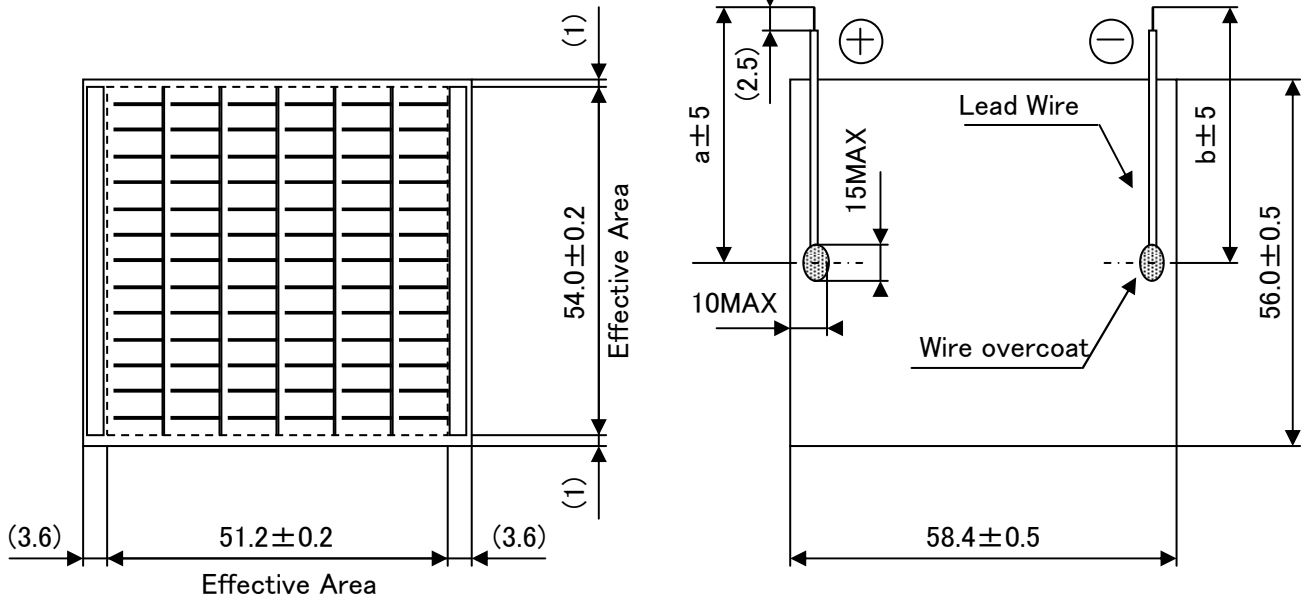
Amorphous Silicon Solar Cells Specification

アモルファスシリコン太陽電池 仕様

Model: AT-7665A

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

Back Side(裏面)



(Dimension:mm)

| | |
|-------------------|--------|
| LEAD WIRES: AWG30 | |
| a: 100 | b: 100 |

Note

Module Thickness(モジュール厚) : 0.3mm ± 0.1
Wire-Overcoat Thickness : 2.0mm MAX(including Module)
(リード線補正コート部厚)

2. Rated Specifications(at 25°C)

| Items | Specifications(Initial) | | |
|--|-------------------------|----------------|--|
| 2.1 Opencircuit voltage:Voc 開放電圧 | Typical | 4.7 V | at 50kLx SS |
| 2.2 Short circuit Current:Isc 短絡電流 | Typical | 19.7 mA | at 50kLx SS |
| 2.3 Operating Voltage & Operating Current: Vope-Iope 動作特性 | Minimum | 3.0 V- 14.5 mA | at 50kLx SS |
| | Typical | 3.0 V- 17.3 mA | at 50kLx SS |
| | Typical | 3.0 V- 38.6 mA | at AM-1.5 100mW/cm ² |
| 2.4 Maximum output : Pmax & optimum operating volt:Vop optimum operating current:Iop 最大出力 | (reference) | 58mW | Vop= 3.6V Iop= 16.2mA at 50kLx SS |
| | (reference) | 125mW | Vop= 3.6V Iop= 34.7mA at AM-1.5 100mW/cm ² |
| 2.5 Working temperature range 動作温度範囲 | -10 to 60°C | | |
| 2.6 Storage temperature range 保存温度範囲 | -20 to 70°C | | |

SS:Solar Simulator

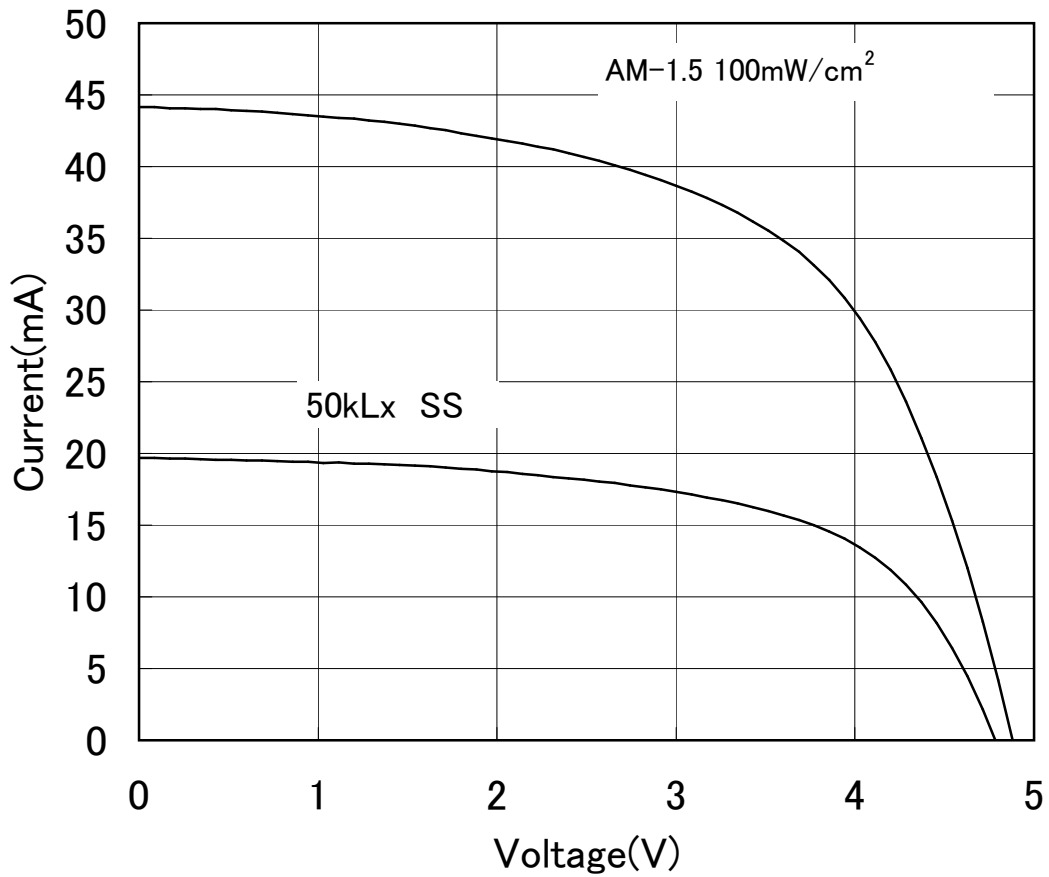
I - V Characteristics

REFERENCE

1.Model : AT-7665A

2.Outside Dimension : 58.4mm × 56.0mm

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 Eco Solutions Amorton Co.,Ltd.

2014/1/10

出力の照度依存特性

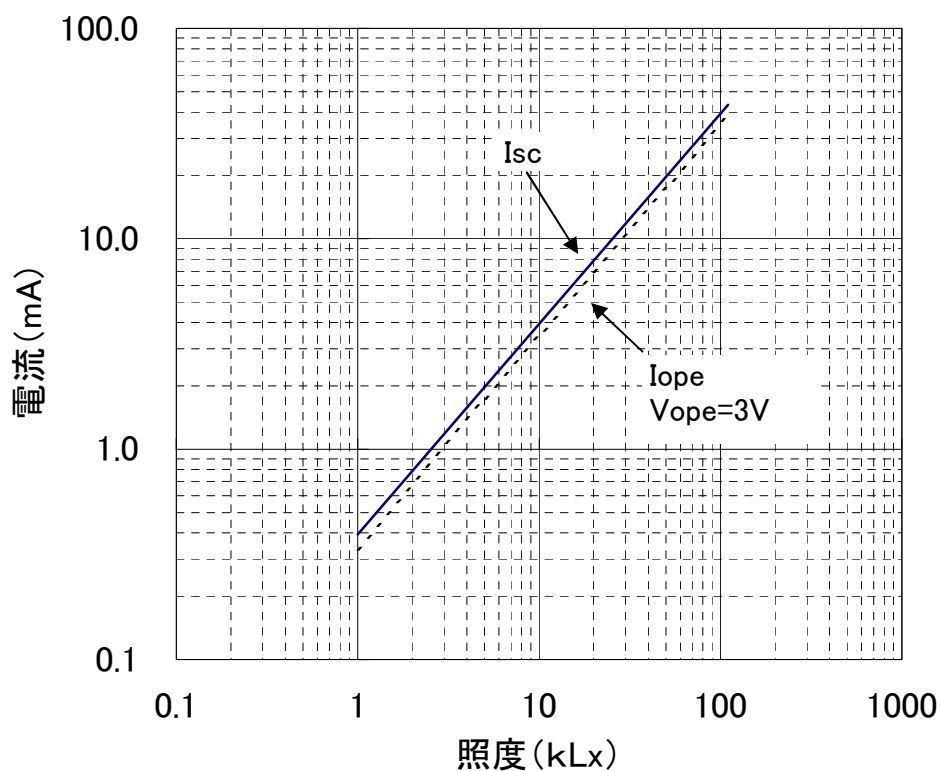
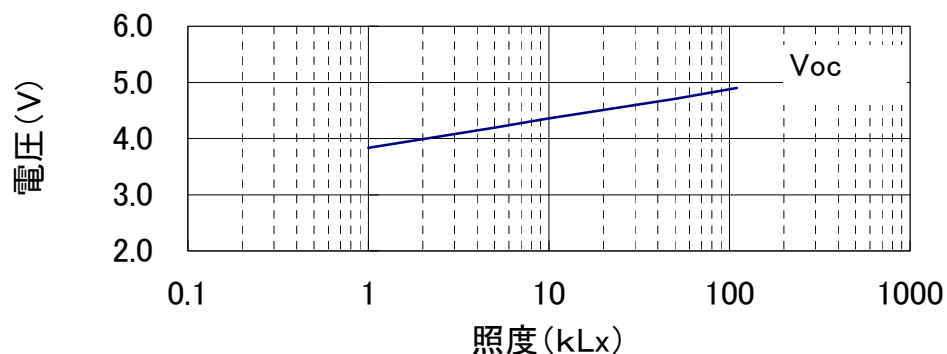
REFERENCE

Dependence of Output on Illumination

1.Model : AT-7665A

2.Outside Dimension : 58.4mm × 56.0mm

SS:Solar Simulator



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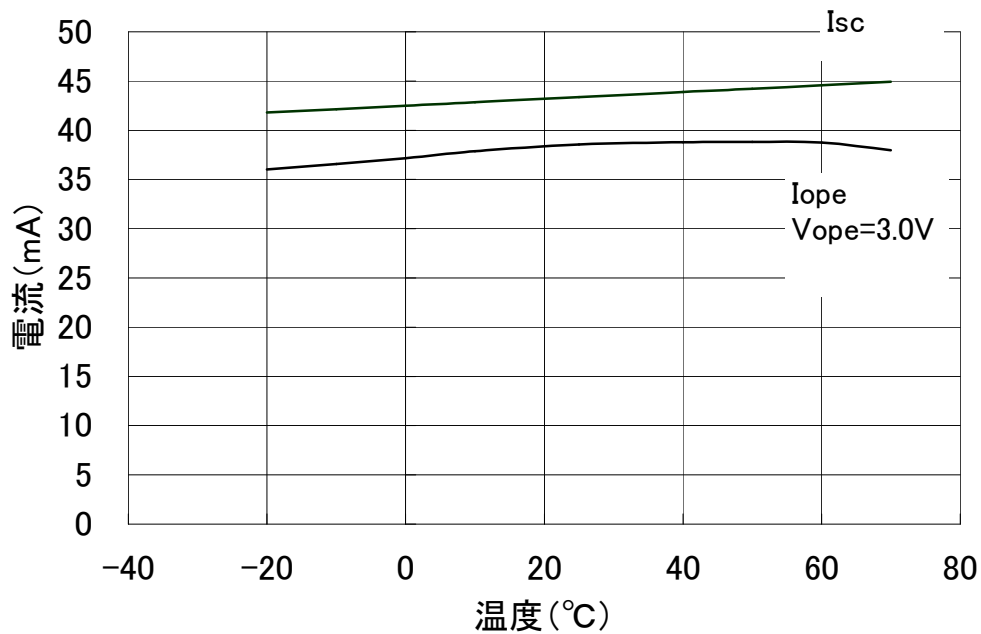
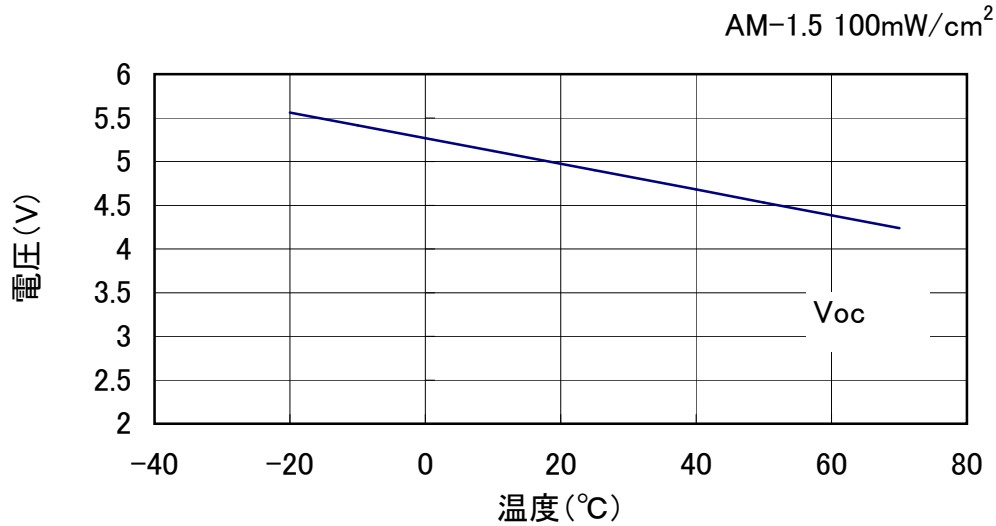
出力の温度依存特性

REFERENCE

Dependence of Output on Temperature

1.Model : AT-7665A

2.Outside Dimension : 58.4mm × 56.0mm



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