

SANYO Amorphous Silicon Solar Cells Specification

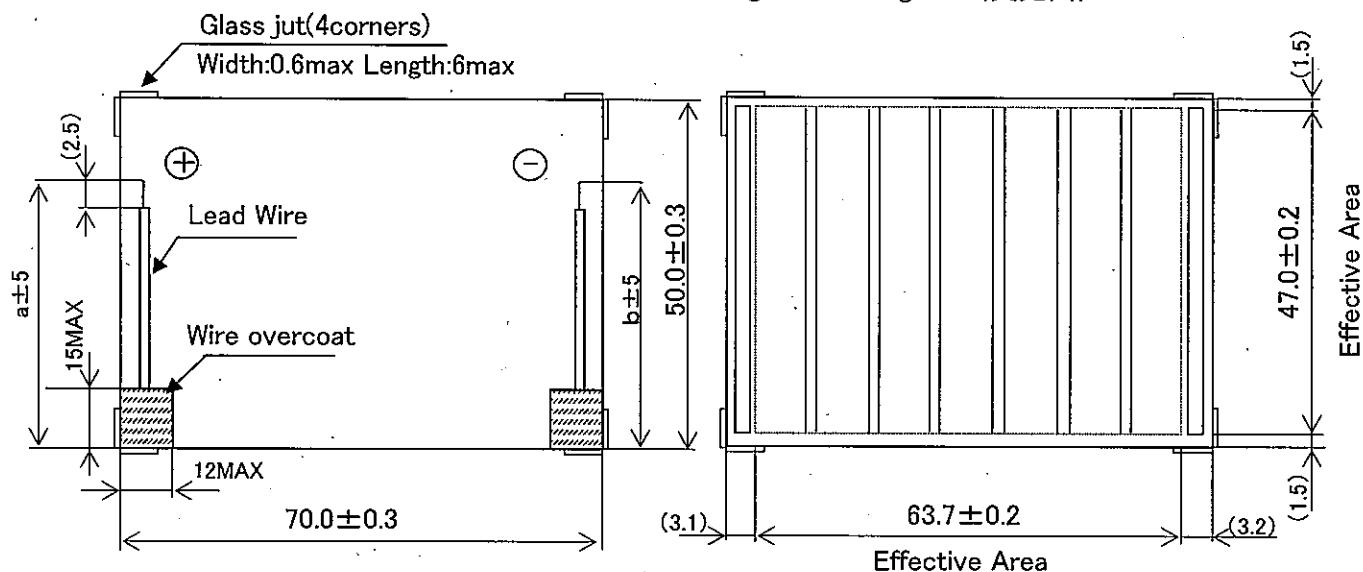
サンヨーアモルファスシリコン太陽電池 仕様

Model: AM-5706CAR

1. Outside dimensions 外形寸法

Overcoat Side(オーバーコート面)

Light Receiving Side(受光面)



(Dimension:mm)

Lead Wires : AWG30

a :101

b :101

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): 1.3MAX (including overcoat)Wire-Overcoat Thickness : 2.5mmMAX (including Module)

(リット線補正コート部厚)

2. Rated Specifications(at 25°C)

Items	Specifications(Initial)			
2.1 Opencircuit voltage:Voc 開放電圧	Typical	6.0 V	at 50kLx SS	
2.2 Short circuit Current:Isc 短絡電流	Typical	22.6 mA	at 50kLx SS	
2.3 Operating Voltage & Operating Current: Vo-pe-lope 動作特性	Typical	3.9 V-	21.0 mA	at 50kLx SS
	Typical	3.9 V-	45.9 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)	88mW	Vop=4.6V Iop=19.1mA	at 50kLx SS
	(reference)	186mW	Vop=4.6V Iop=40.5mA	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

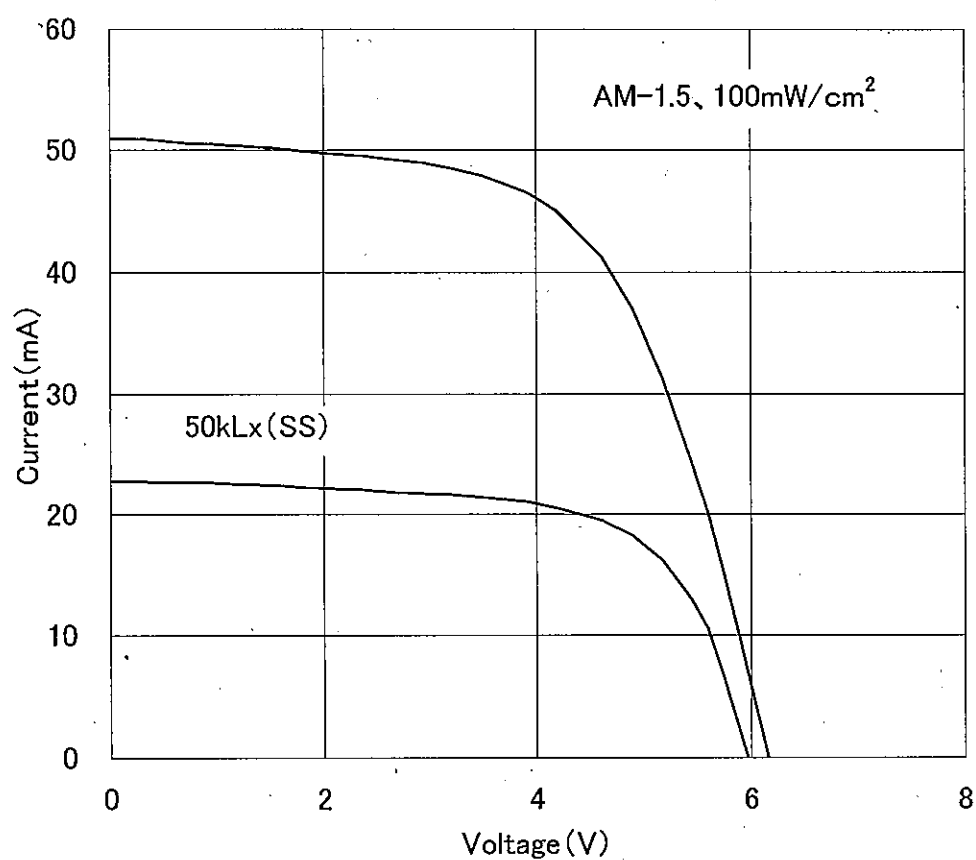
I - V Characteristics

REFERENCE

1.Model : AM-5706CAR

2.Outside Dimension : 70.0 mm × 50.0 mm

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.

Kanto SANYO Semiconductors Co.,Ltd.

2008/7/8

出力の照度依存特性

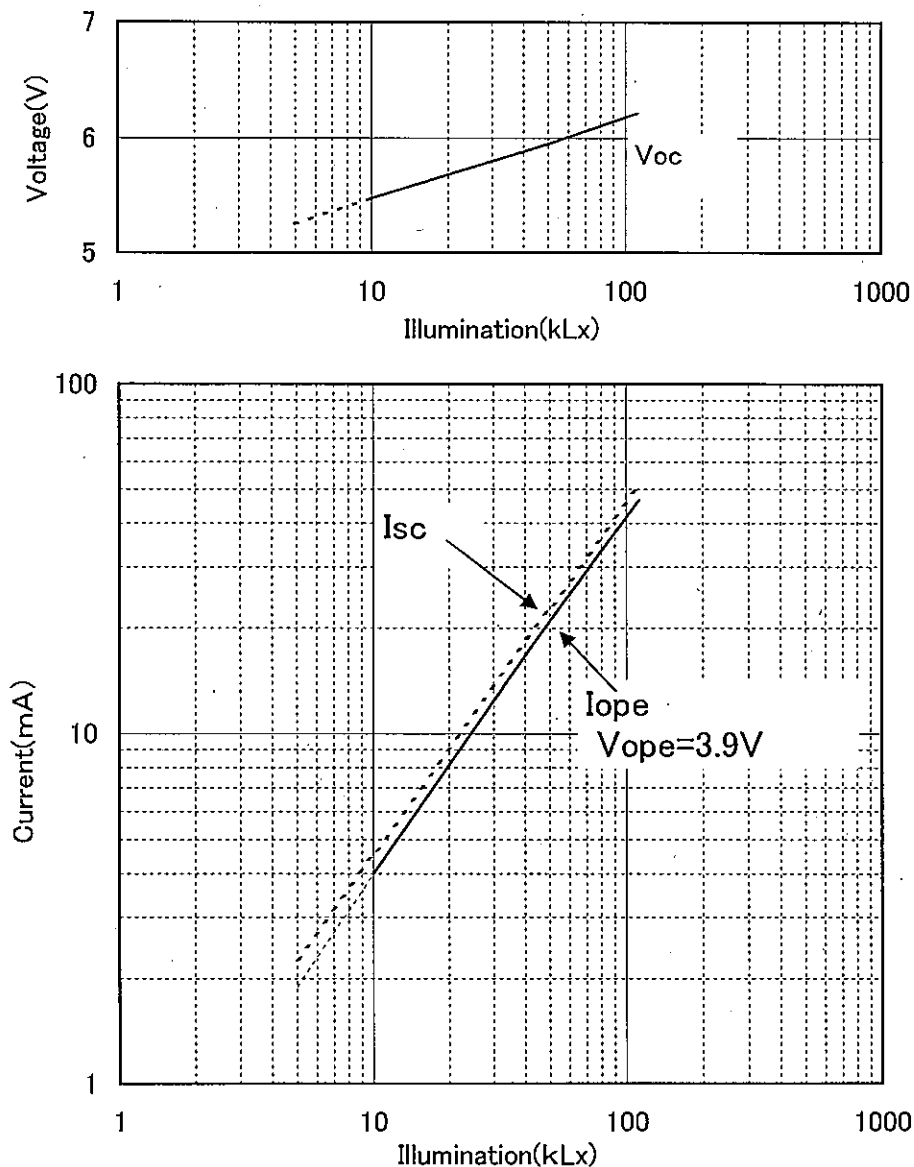
Dependence of Output on Illumination

REFERENCE

1.Model : AM-5706CAR

2.Outside Dimension : 70.0 mm × 50.0 mm

Measured at Solar Simulator (25°C)



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出力の温度依存特性

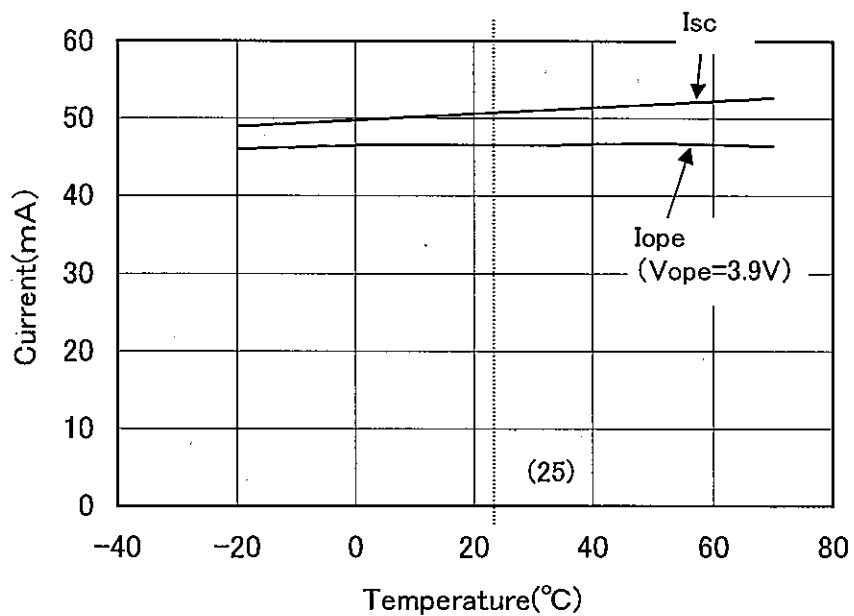
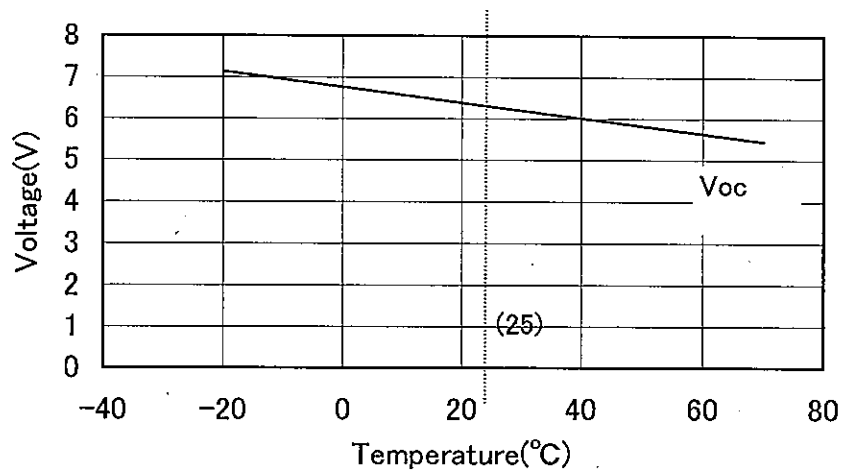
Dependence of Output on Temperature

REFERENCE

1.Model : AM-5706CAR

2.Outside Dimension : 70.0 mm × 50.0 mm

Measured at AM-1.5 100mW/cm²



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