

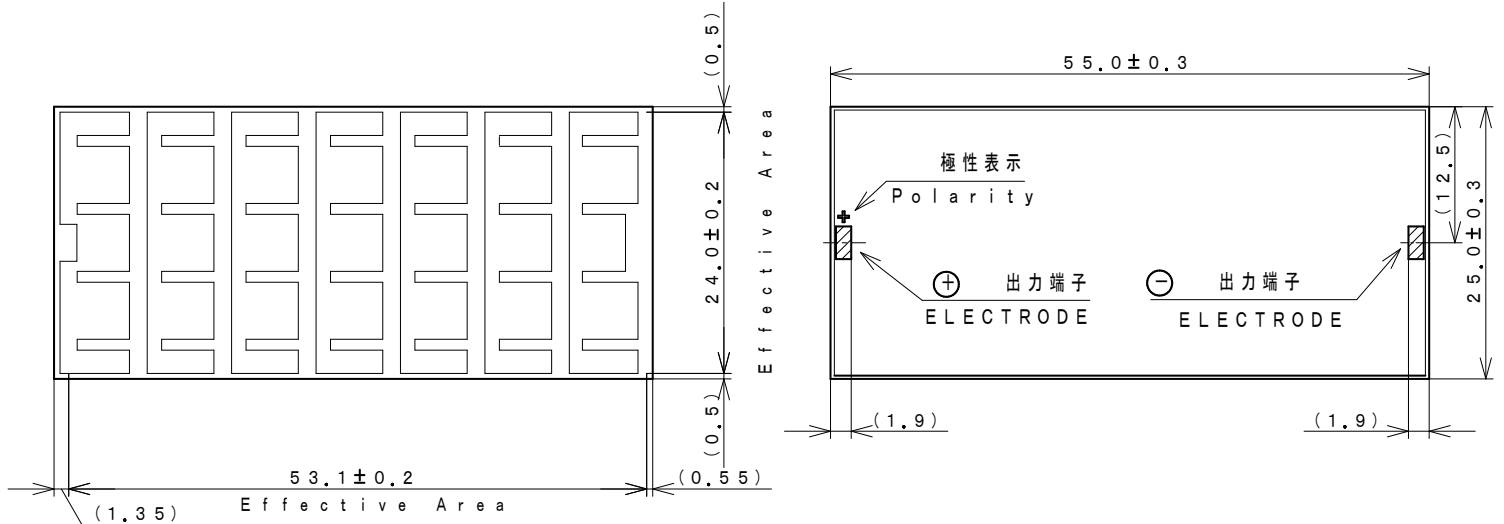
アモルファスシリコン太陽電池 仕様

Model : AMH-6701C

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)

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 mm MAX

Solderable (半田付け可能)

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

Item	Specifications (Initial)		
2.1 Open Circuit Voltage : Voc 開放電圧	Minimum	4.3 V	at 200Lx FL
	Typical	4.7 V	at 200Lx FL
2.2 Short Circuit Current : Isc 短絡電流	Typical	$20.8 \mu\text{A}$	at 200Lx FL
	Typical	6.5 mA	at 50kLx SS
2.3 Operating Voltage & Operating Current : Vope - Iope 動作特性	Minimum	3.0 V - $18.0 \mu\text{A}$	at 200Lx FL
	Typical	3.0 V - $20.0 \mu\text{A}$	at 200Lx FL
2.4 Maximum Power Voltage (Vpm) & Maximum Power Current (Ipm) 最大出力動作電圧 & 最大出力動作電流	Typical	3.9 V - $18.9 \mu\text{A}$	at 200Lx FL
	Typical	4.4 V - 5.4 mA	at 50kLx SS
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		
2.7 Working Illuminance Range 使用照度範囲	~50000 Lx		

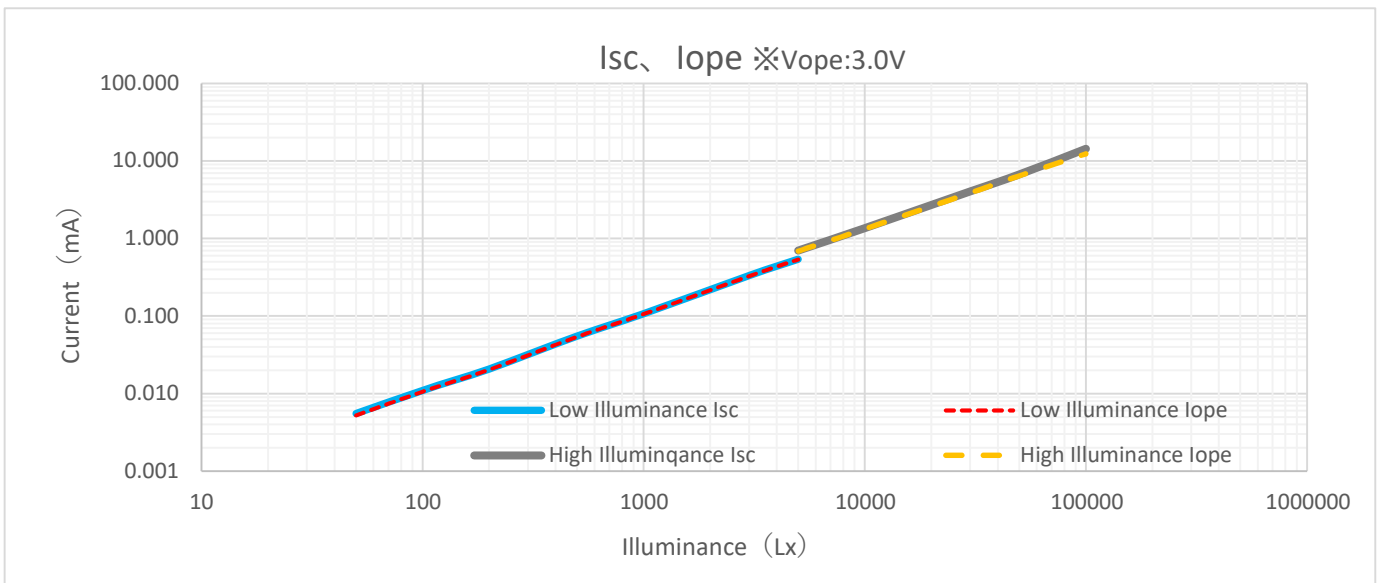
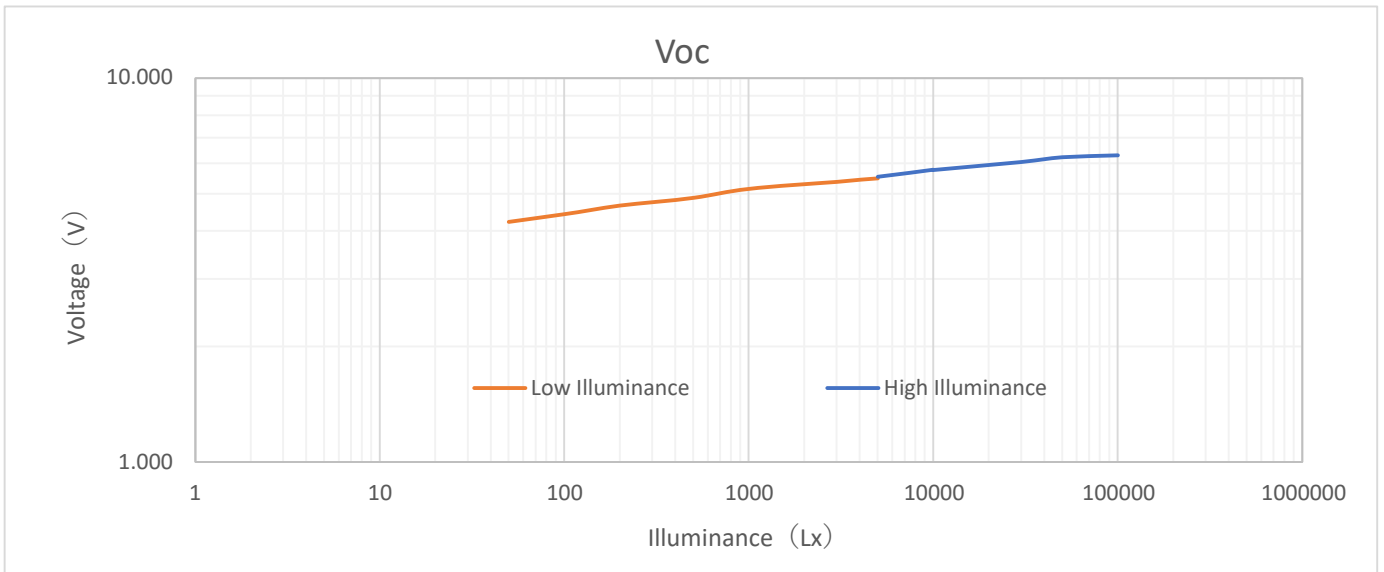
AMH-6701C Output of Illuminance Data

REFERENCE

Model : AMH-6701C (Hybrid Solar)

Measurement light Source : White FL(Low)、 Solar Simulator(High)

Measurement Illuminance : 50~5000Lx(Low)、 5000~100000Lx(High)



Lx	White FL				Solar Simulator			
	50	200	1000	5000	5000	30000	50000	100000
Voc(V)	4.2	4.7	5.2	5.5	5.5	6.0	6.1	6.3
Isc(mA)	0.01	0.02	0.1	0.5	0.7	4.1	6.5	14.4
Iope(mA)	0.01	0.02	0.1	0.5	0.7	3.9	6.4	12.4
Pm(mW)	0.02	0.1	0.4	2.1	2.7	14.2	24.0	40.8
Vpm(V)	3.4	3.9	4.3	4.3	4.4	4.3	4.4	4.0
Ipm(mA)	0.01	0.02	0.1	0.5	0.6	3.3	5.4	10.2

This data only represents simulated results, and does not guarantee the actual characteristics.