

Still Replacing Batteries? Here's your Panasonic Amorphous Silicon Solar Device!



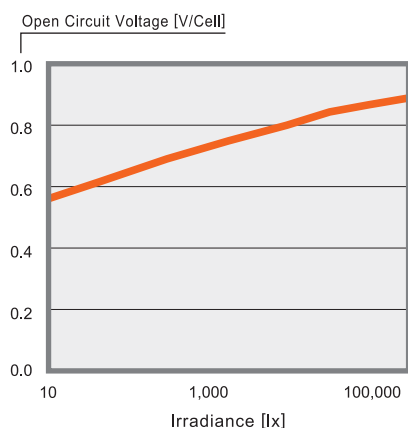
Panasonic helps your devices operate even at weak light.

- Temperature & Humidity Sensor •CO₂ Sensor •Human Body Sensor •Inventory Detection Sensor
- Devices for Remote Work •Automatic Flushing Sensor •Electronic Shelf Label •Picking System
- Beacon Terminal •Tracking System •Security Devices •Wearable Devices •Remote Controller
- Other Electronic Equipment and Power Supply for Digital Display

Features •All the values measured by Panasonic

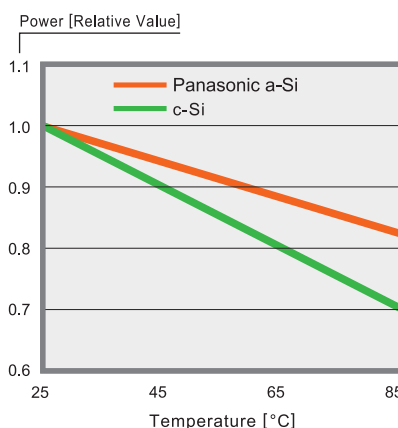
01 Higher Voltage at Low Irradiance*1

Irradiance Dependency of VOC*2



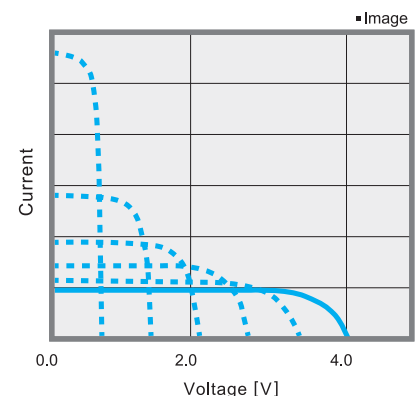
02 Smaller Power Loss at High Temperature

Power Variation by Temperature



03 Flexible Setup of Operating Conditions (Rechargeable Battery – Friendly)

Various Voltage/ Current Setup on the same effective area.



*1: Approx.50-1000lx under indoor light sources such as incandescent and fluorescent lamps *2: Please refer to "How to find best operating conditions"

Examples of Product Lineup

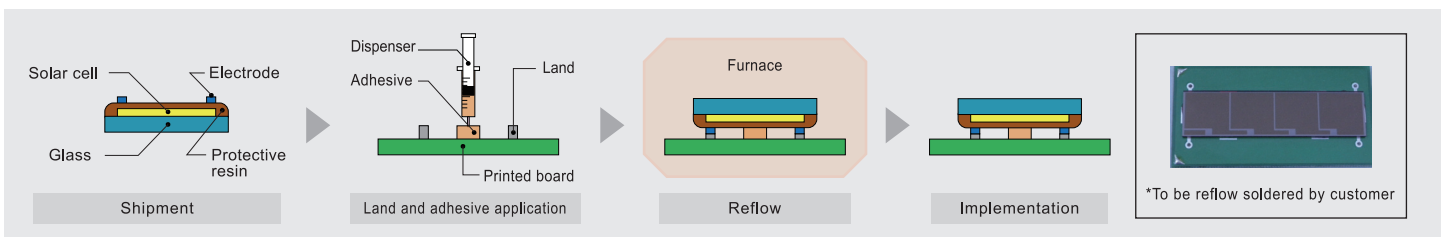
Indoor Application (Customizable)							Outdoor Application (Customizable)				
Product name	Fluorescent light-200lx(25°C)					External dimensions(mm) Width×Length×Thickness	Product name	AM-1.5 100mW/cm ² (25°C)			External dimensions(mm) Width×Length×Thickness
	Voc(V)	Isc(μA)	Vopec(V)	Iope(μA)	Pm(μW)			Vopec(V)	Iope(mA)	Pm(mW)	
AM-1437	2.5	9.2	1.5	8.5	15.7	29.6×11.8×1.1	AM-5308	1.7	68.8	116.9	50.1×47.2×1.1
AM-1417	2.5	14.1	1.5	13.3	24.5	35.0×13.9×1.1	AM-5413	2.2	16.7	39.0	33.0×23.9×1.1
AM-1454	2.5	35.2	1.5	33.3	61.4	41.6×26.3×1.1	AM-5710	3.9	32.6	133.4	62.3×37.0×1.1
AM-1819	5.0	8.1	3.0	6.9	24.2	31.0×24.0×1.1	AM-5814	4.5	38.6	180.4	55.1×60.1×1.1
AM-1801	5.0	20.2	3.0	18.9	70.5	53.0×25.0×1.1	AM-5912	5.0	15.3	80.2	42.9×47.2×1.1
AM-1815	5.0	48.2	3.0	45.7	168.7	58.1×48.6×1.1	AM-5S06	15.4	11.4	187.7	124.5×29.5×1.1

*Above parameters are typical (initial values).

Terminal Structures

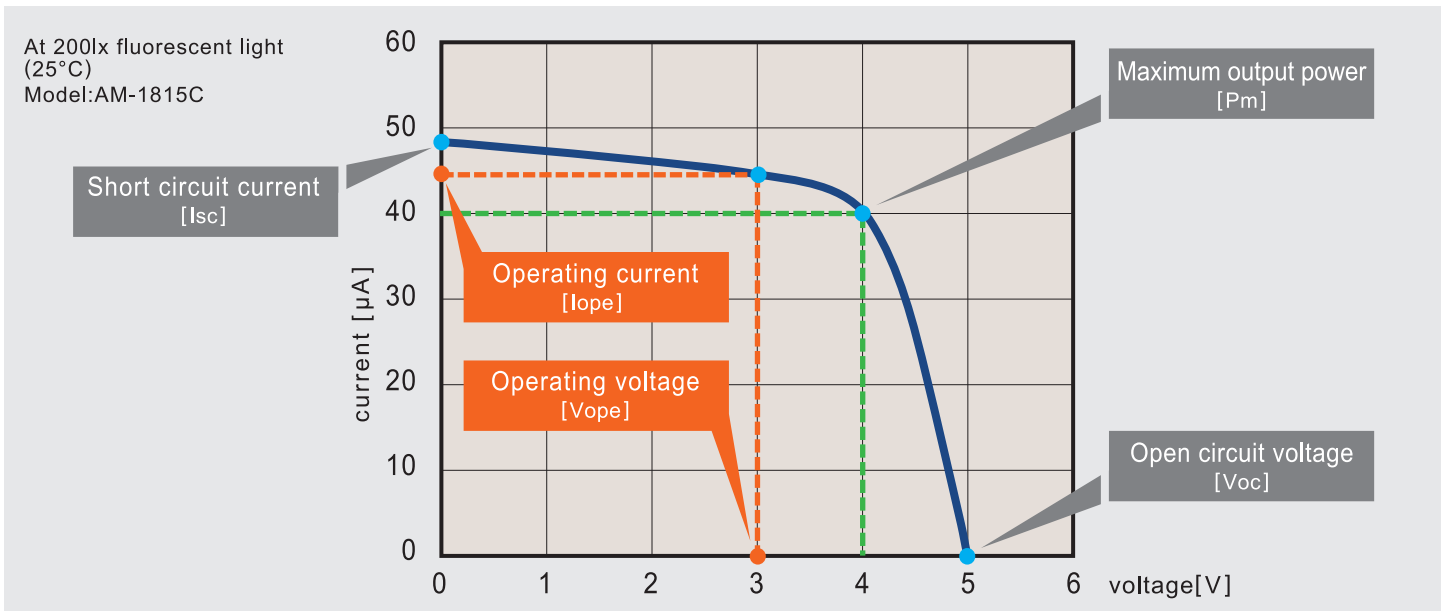
Indoors			Outdoors
<p>C type</p> <p>Lead wire can be attached using a regular solder.</p>	<p>CS type</p> <p>A temporary solder is attached to a C type device.</p>	<p>CA type</p> <p>CS type terminal with a lead wire</p>	<p>CAR type, A type</p> <p>Pins are protected with a resin coating after lead is attached.</p>

Reflow Soldering Compliant



How to Find the Best Operating Conditions

Please set up the operating voltage lower than maximum output power point (Pm) as it enables the load to operate stably when the voltage of the load fluctuates.



*Caution: DO NOT use for charging the devices related to human lives and safety.

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Specifications are subject to change without notice.