

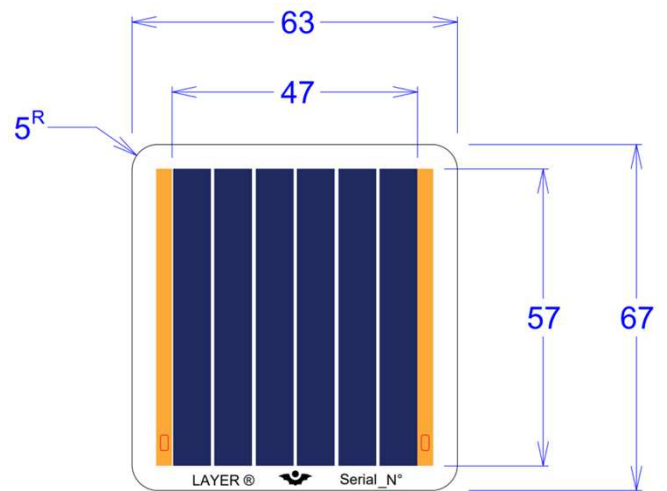
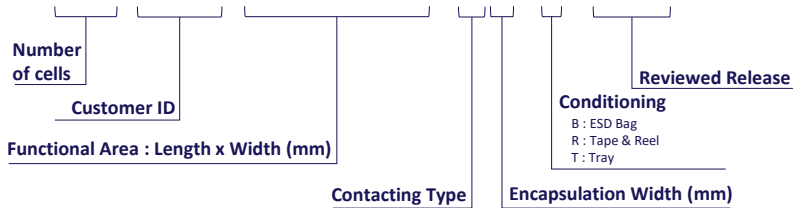
# LAYER® Product Brief

**The 1st leading inkjet Printed Organic Photovoltaic Product :** We are the first in the world to print with photovoltaic ink. With more than 10 years of experience, from the laboratory to the industrial stage.

## Product Name

## Demokit 06B dimensions

**06\_DKT\_047x057\_B5\_B\_R01**



## Contacting type

weight: 1,66g

**A**

**Crimp**

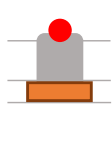


Indoor

Wires can be soldered on it

**B**

**Soldered wires**

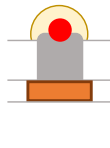


Indoor

Wires already soldered

**C**

**Resin coating**

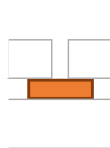


Outdoor

Wires already soldered  
Resin coating prevents outdoor aggressions

**D**

**Open via**

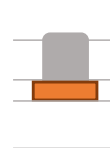


Indoor

Free contacting,  
advised conductive or soldering paste

**E**

**Bump**



Indoor

Wires can be soldered on it

**F**

**ZIF**



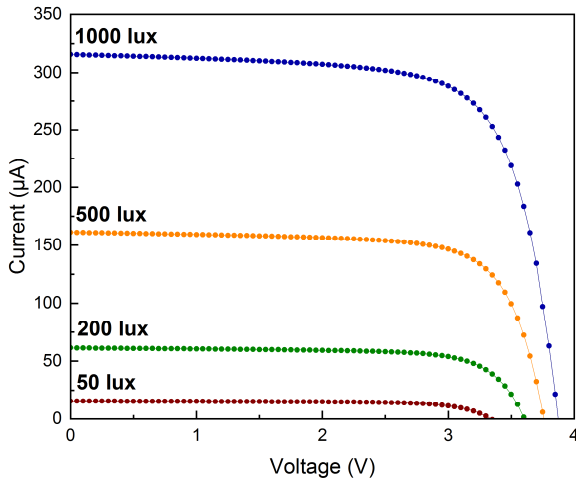
Indoor

Contact with ZIF connector

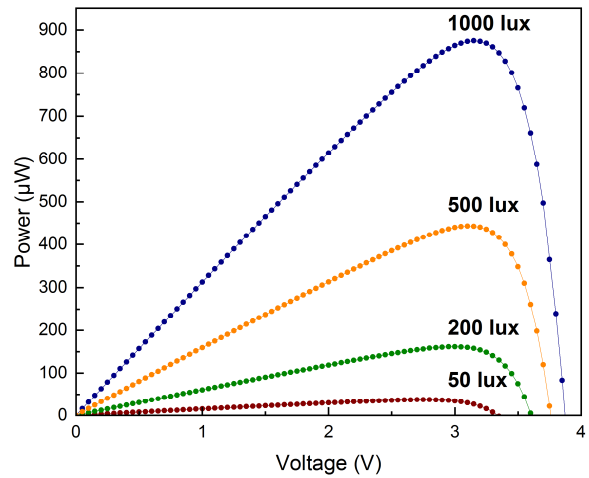


# Demokit 06B Characteristics

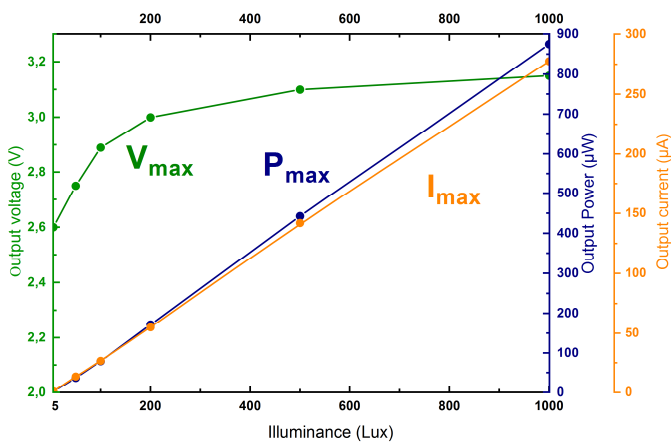
## Current - Voltage



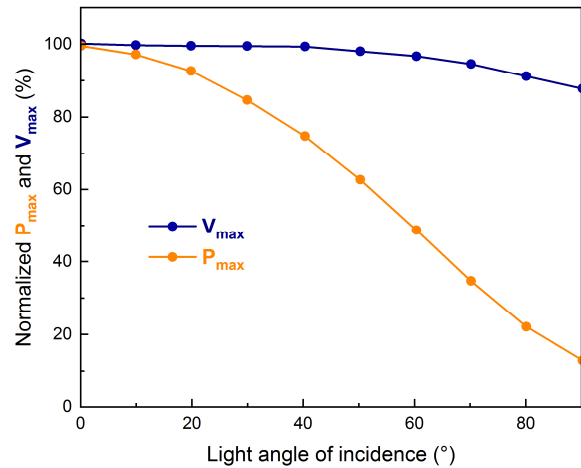
## Power - Voltage



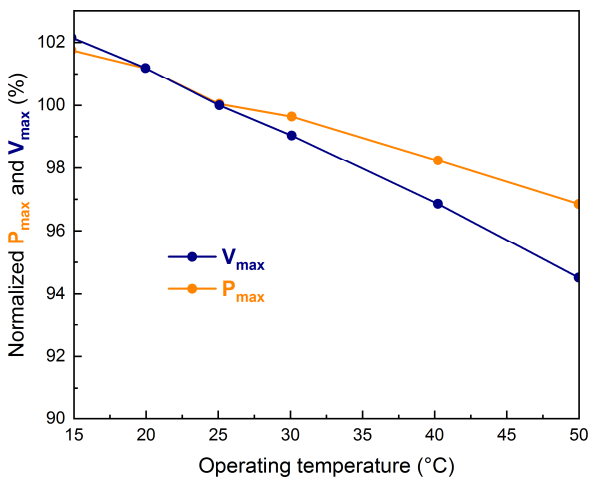
## Illuminance dependency



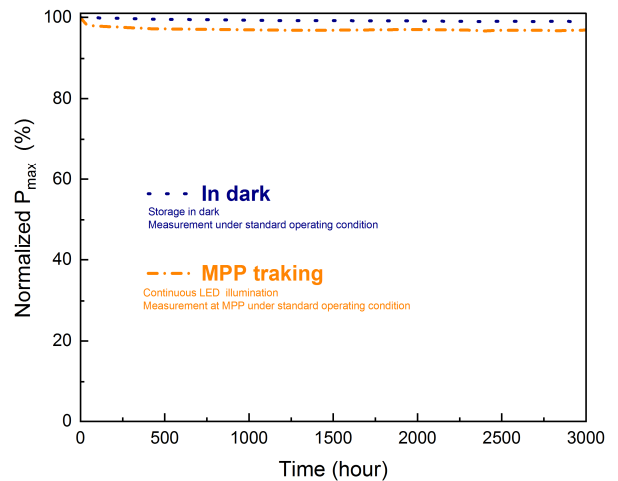
## Light angle dependency



## Temperature dependency



## Indoor Aging (\*)



(\*) done under standard operating condition



## Demokit 06B Electrical characteristics

Luminosity (lx)	Voc(V)	Isc(μA)	Vm(V)	Im(μA)	Pm(μW)
1000	3,7	322	2,85	263	750
500	3,65	171	2,8	138	386
200	3,4	72	2,7	59	160
50	3	17	2,35	13	31

## Operating conditions

Item	Unit	Min	STD	Max
Surface temperature	°C	-40	25	40
Ambient humidity	%RH	1	50	90
Luminosity	lux	5	400	100K

## Storage conditions

Item	Unit	Min	Max
Surface temperature	°C	-40	30
Ambient humidity	%RH	0	70
Luminosity	lux	Indoor conditions	

## Handling and Safety

- During unloading and handling, gloves are required to prevent fingerprints or possible shocks.
- Handle panels with caution. Mechanical stress such as shocks and sharp pressures on the panel surface must be avoided to prevent delamination, scratching of the film, and internal structure damage.
- Do not bend over 2 cm radius.
- Avoid contact with chemicals such as solvents.
- For cleaning, gently wipe the surface of the panel with non-abrasive cloth.
- In case of breakage, do not swallow particles, chips, or materials.
- For interconnections, crimp contacts are recommended. Soldering and other interconnecting technologies which apply heat to the panel may cause damage.

