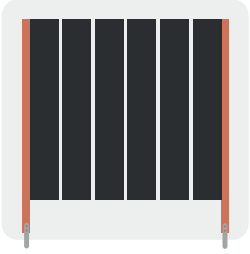
Datasheet



Organic Photovoltaic (OPV) Demokit #6 modules.

The LAYER® modules have high efficiency in low light conditions. In fact, LAYER® generates energy from ambient light because we use specific materials which harvest both natural and artificial light. Thanks to inkjet printing, we are able to realize on demand module to meet customers specifications in term of performance and design.

dracula technologies

Demokit #6 performances between 50 - 1000 lux

Illumination (lux)	Voc(V)	Isc(µA)	Vmax(V)	Imax(µA)	Pmax(µW)
50	3 - 3.2	13 - 15	2.35 - 2.45	10 - 11	23 - 27
100	3.25 - 3.3	30 - 35	2.55 - 2.65	24 - 27	61 - 72
200	3.4 - 3.5	55 - 65	2.7 - 2.75	45 - 55	121 - 151
300	3.55 - 3.6	75 - 85	2.80 - 2.85	65 - 75	182 - 214
400	3.6 - 3.65	100 - 110	2.85 - 2.9	85 - 95	242 - 275
500	3.65 - 3.68	130 - 140	2.9 - 2.95	105 - 115	294 - 328
1000	3.7 - 3.8	245 - 255	2.95 - 3	200 - 210	570 - 609

The above table shows standard performances mesured by imanp

Operating Condition

Item	Unit	Min	Max
Surface temperature	°C	0	40
Ambient humidity	%RH	1	90
Illuminance	lux	10	100 000
Atmospheric pressure	hPa	550	1100

Storage Condition

Item	Unit	Min	Max
Surface temperature	°C	-30	50
Ambient humidity	%RH	1	90
Illuminance	lux	-	100 000
Atmospheric pressure	hPa	550	1100

For optimized performances, please expose the tagged side to the light.