

Presentation of tailor-made flexible IBC modules



Less than 1,5 kg/m²

Léger
Light



Flexible and conformable for a perfect integration

Conformable
Conformable



High efficiency solar cells

Haut rendement
High efficiency



Tailor-made realization

Sur mesure
Customisable



*System Integration (MPPT,
Batteries ...)*

Gestion de la puissance
Power management



*« Turnkey and
specific solutions
for your specific
needs »*



OPÉRASOL® PHOTOVOLTAIC MODULES FLEXIBLE IBC

Opérasol



PRODUCTS PRESENTATION

These *light, thin and flexible* products are *tailor-made*. They can evolve according to *your specifications* (number of cells, dimensions, rated power etc...). *Conformable*, they can be integrated on convex, concave and flat surfaces with flexibility up to 60°C thanks to IBC cells (Intergated Back Contact).

Some examples of achievements :



	9 Cells	12 Cells	20 Cells
Rated Power (P_{mpp})*	30 W	40 W	68 W
Voltage at maximum power (V_{mpp})*	5,5	7,4	12,2
Current at maximum power (I_{mpp})*	5,4	5,4	5,4
Open Circuit voltage (V_{oc})*	6,5	8,6	14,4
Short-circuit current (I_{sc})*	5,8	5,8	5,8
Weight	230 g	310 g	520 g
Example of dimensions (L x W x T)	395 mm x 409 mm x 1 mm	547 mm x 672 mm x 1 mm	672 mm x 850 mm x 1 mm

*Under Standard Test conditions: 1000W/m², AM1.5, 25°C

QUALITY CERTIFICATES



REALIZATION OF TAILOR-MADE PHOTOVOLTAIC MODULES

These PV modules are integrable to many applications



Integration of modules on car bonnet for a complement supplying electricity



Integration on wings of drone for increasing of fly time



Use of these modules for atmospheric and stratospheric environments

2CA offers you the study, the production of modules and their integration into a PV system



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