

Photowatt® PWCELL6M-GEN4.1

Monocrystalline silicon Solar Cell
CT7E



▶ HIGH QUALITY CELLS

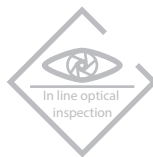
Monocrystalline PWCELL6M-GEN4.0 cells are processed on best-in-class production lines in France, which are continuously improved with best performing technologies.

FRENCH SOLAR CELL
MONOCRYSTALLINE



100% Made in France

19,6% - 18,4%
TYPICAL EFFICIENCY



100% in-line optical inspection

CO₂
LOW-CARBON



100% inspected for dark current
and shunt resistance

FRAUNHOFER
STANDARD CELLS
CALIBRATED BY
FRAUNHOFER ISE



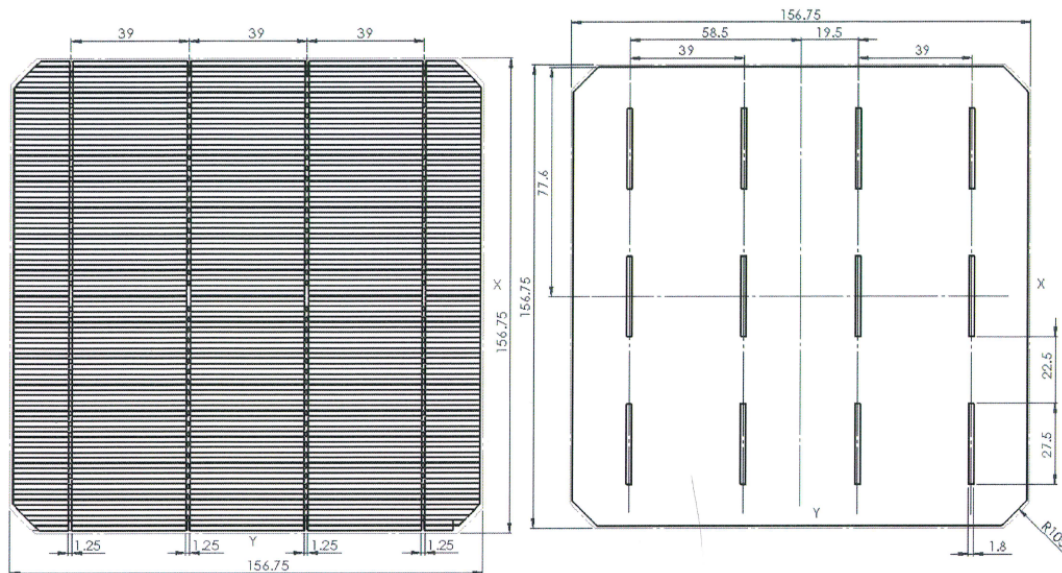
100% compliant with RoHS
lead-free regulation



> ELECTRICAL CHARACTERISTICS

Efficiency (%)	Power (Wp/Pc)	ISC (A)	Voc (mV)	FF (%)
18.4	4.48	9.31	631	76.6
18.6	4.53	9.31	632	77.3
18.8	4.58	9.31	633	78.2
19	4.62	9.33	634	78.7
19.2	4.67	9.35	636	79.0
19.4	4.72	9.37	638	79.1
19.6	4.77	9.38	639	79.6

Temperature coefficients $I_{sc} = +0,06\%/^{\circ}C$; $V_{oc} = -0,34\%/^{\circ}C$; $P_{max} = -0,42\%/^{\circ}C$
 Measurement tolerances +/- 4%
 Soldering Copper ribbons coated with 20 – 30 μm : 96.5% Sn / 3% Ag / 0,5% Cu



> Mechanical data and design

Format 156.75 mm x 156.75 mm +/-0.5 mm
 Cell surface 244 cm² +/-3,12 cm²
 Thickness 200 μm +/- 20 μm

Front (-) Alkaline textured surface with
 SINx anti-reflective coating
 4 bus bars of 1.25 mm width
 Back (+) Aluminum with silver pads
 4 bus bars of 1.8 mm width

> Storage conditions

Maintain cells in controlled environment : temperature between 10-30°C and relative humidity below 70%. Store only in closed cardboard boxes. Do not stack more than 4 cardboard boxes. Do not stack pallets. Handle with care and shock-free. Recommended maximum shelf life: no longer than 6 months after date of delivery.

> Packaging

1 box 100 cells
 1 carton box 600 cells
 1 pallet 24 000 cells

