

POLY-CRYSTALLINE SOLAR CELLS - 156x156 mm



Excellent performances with an efficiency up to 18%



The blue anti-reflective coating boosts the amount of sunlight captured by the solar panel



/// ELECTRICAL TYPICAL VALUES	OC1680P	OC1700P	OC1720P	OC1740P	OC1760P	OC1780P	OC1800P
Power [W]	4.088	4.137	4.186	4.234	4.283	4.332	4.380
Cell Efficiency [%]	16.80	17.00	17.20	17.40	17.60	17.80	18.00
Tolerance [%]	+3%						
Voltage at Pmax (Vmp) [V]	0.52	0.53	0.53	0.53	0.53	0.54	0.54
Current at Pmax (Imp) [A]	7.80	7.85	7.91	7.99	8.07	8.16	8.25
Open Circuit Voltage (Voc) [V]	0.63	0.63	0.63	0.63	0.63	0.64	0.64
Short Circuit Current (Isc) [A]	8.30	8.36	8.43	8.49	8.55	8.65	8.74

STC* (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5

/// MECHANICAL DATA AND DESIGN

Cells	Poly ⁶⁺ (R220) crystal
Format	156 x 156 mm ± 0.5 mm
Thickness	190 μm ± 20 μm
Front (-)	1.4 mm bus bars (silver), blue anti-reflecting coating (silicon nitride)
Back (+)	3 mm wide soldering pads (silver) Back surface field (aluminium)

/// TEMPERATURE COEFFICIENTS

Tk Voltage	-0.348 %/K
Tk Current	+0.031 %/K
Tk Power	-0.46 %/K

/// INTENSITY DEPENDENCE

Intensity [W/m ²]	1000	900	500	300	200
Isc [mA]	1	0.90	0.50	0.30	0.20
Voc [mV]	1	0.99	0.97	0.95	0.93

/// DIMENSIONS

