

DATA SHEET FOR XL2P18G003 MULTICRYSTALLINE PHOTOVOLTAIC MODULE

ELECTRICAL CHARACTERISTICS

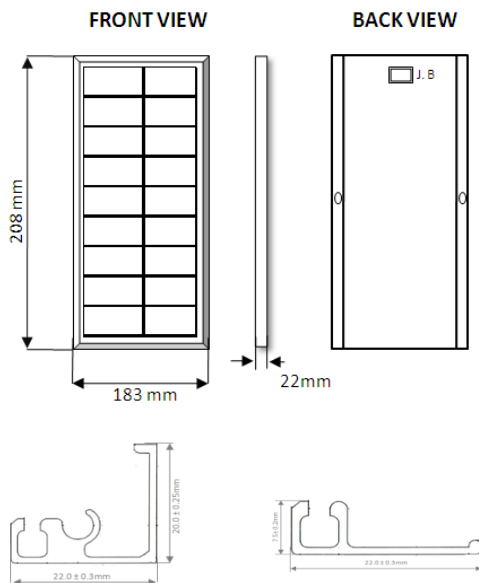
Maximum Power at STC (Pmax)	3 Wp (0%,+3%)
Open-Circuit Voltage (Voc)	10.78
Voltage at maximum power (Vmp)	8.50
Short-Circuit Current (Isc)	0.40
Current at maximum power (Imp)	0.35
Max Module efficiency	> 8
Operating Temperature	-40° C to + 85° C

STC: Irradiance 1000W/m², Module temperature 25° C, AM 1.5

MECHANICAL DIMENSIONS

Solar Cell	Poly-Crystalline 17.5 x 78 mm
Cells per Module	18 (9 x 2)
Dimensions	208mm x 183 mm x 22 mm
Weight	0.7 Kg
Front Glass	3.2 mm Tempered
Frame	Anodized Aluminium Frame

PHYSICAL SPECIFICATIONS



TEMPERATURE COEFFICIENTS

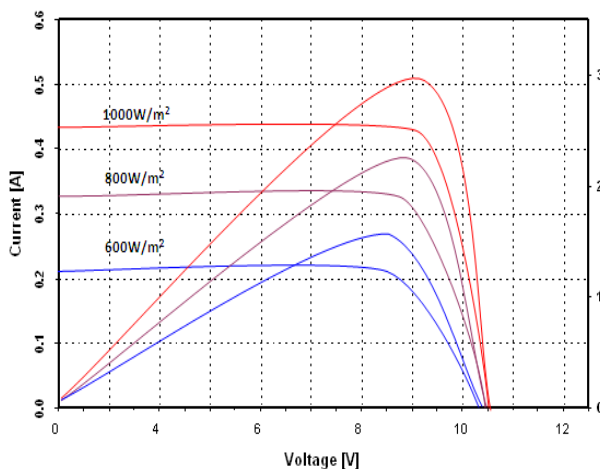
Nominal Operating Cell Temperature (NOCT)	45 2° C
Temperature Coefficient of Pmax	-0.43 %/° C
Temperature Coefficient of Voc	-0.36 %/° C
Temperature Coefficient of Isc	0.056 %/° C

WARRANTY

3 Years Warranty on Material and Workmanship

15 Years Warranty on Power Output. 90% of the rated power is guaranteed for a period of 7 years and 80% of the rated power is guaranteed over a period of 15 years.

CURRENT-VOLTAGE CHARACTERISTICS OF PHOTOVOLTAIC MODULE XL2P18G003 AT VARIOUS IRRADIANCE LEVELS



TEMPERATURE DEPENDENCE OF Isc, Voc, Pmax

