

**MLT SOLAR****190W-240W****MLT SOLAR**

Special **non-reflecting glass** offers a daily production increase of 3% compared to a module of equivalent power using standard glass.

The combination of **Tempered Glass / EVA / Tedlar** ensures weight minimisation, guaranties a perfect watertightness as well as durable protection of the cells.

The **aluminium frame** allows an effortless handling and an easy and fast assembly.

Each module is submitted to an **individual quality control** and is referenced by an assessment sheet of its performance tests.

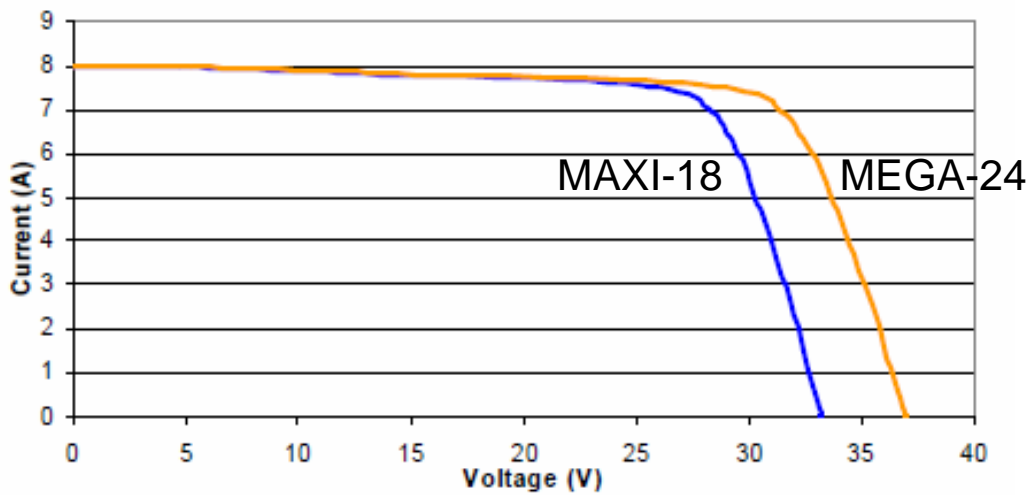


	MAXI-18 RANGE			MEGA-20 RANGE			
	18 V			20 V			
Nominal voltage	18 V			20 V			
Typical power	190	200	210	210	220	230	240
Minimum power	185	195	205	205	215	225	235
Maximum power	195	205	215	215	225	235	245
Tolerance (Wp)	-5 / +5 Wp			-5 / +5 Wp			
Tolerance (%)	-3 / +3 %			-2,5 / +2,5 %			
Voltage at max.power Vpm (V)	26,8	27,1	27,3	29,7	29,9	30,1	30,3
Current at max. power Ipm (A)	7,1	7,4	7,7	7,1	7,4	7,7	8
Open circuit voltage Voc (V)	33,1	33,4	33,6	36,2	36,5	36,8	37
Short circuit current Isc (A)	7,7	7,9	8	7,7	7,9	8,1	8,2
<b>Temperature coefficients</b>							
Coefficient Temperature of Voltage	-114,48 mV/°C			-129,0 mV/°C			
Coefficient Temperature of Current	+2,4 mA/°C			+4,4 mA/°C			
Coefficient Temperature of Power	-0,43 %/°C			-0,46 %/°C			
NOCT (°C)	45			45			
<b>Cells</b>							
Size	6'			6'			
	156 x 156 mm			156 x 156 mm			
Layout	54 cells / 6 x 9			60 cells / 6 x 10			
Type	Multicrystalline			Multicrystalline			
<b>General informations</b>							
Maximum system voltage (V)	715 V			715 V			
Diodes	3 by-pass			3 by-pass			
Type of connection	Tyco (Grid J/box)			Tyco (Grid J/box)			
Weight (kg)	18			19			
<b>Certifications</b>							
	IEC61215 + TUV class II						
<b>Warranty</b>							
Product warranty	2 years						
Warranty on power output	25 years - 80 % of nominal power / 10 years in marine and tropical environment						

(According to specifications @ STC: Irradiation 1000 W/m<sup>2</sup>; AM 1.5; Cell at ambient Temperature T: 25°C)

**MLT DRIVES**

Typical curve I/V with irradiation of 1000 W/m<sup>2</sup> à 25°C



	18V	20V
<b>A</b>	<b>1510</b>	<b>1660</b>
<b>B</b>	<b>995</b>	<b>990</b>
<b>C</b>	<b>38</b>	<b>38</b>
<b>a</b>	<b>46,5</b>	<b>123</b>
<b>b</b>	<b>327,5</b>	<b>327,5</b>
<b>c</b>	<b>759</b>	<b>759</b>
<b>d</b>	<b>25</b>	<b>25</b>

	18V	20V
<b>e</b>	<b>442</b>	<b>440</b>
<b>f</b>	<b>50</b>	<b>50</b>
<b>g</b>	<b>100</b>	<b>100</b>
<b>h</b>	<b>110</b>	<b>110</b>
<b>i</b>	<b>840</b>	<b>840</b>
<b>j</b>	<b>1030</b>	<b>1030</b>

