



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.



	MICRO RANGE				MINI RANGE			
	12 V				12 V			
Nominal voltage								
Typical power	45	50	55	60	65	70	75	80
Minimum power	40	45	50	55	62,5	67,5	72,5	75
Maximum power	45	50	55	65	67,5	72,5	75	82,5
Tolerance (Wp)	+0/-5Wp				+/- 2,5Wp		0/-2,5 Wp	-5/+2,5Wc
Tolerance (%)	(+/ -10%)				(+/ - 3,5%)		0/-3,5%	-7/+3,5 %
Voltage at max.power	Vpm (V)	17,4	17,6	17,8	18	17,4	17,6	17,8
Current at max. power	Ipm (A)	2,6	2,8	3,1	3,3	3,8	4	4,2
Open circuit voltage	Voc (V)	21,5	21,7	22	22,2	21,5	21,7	22
Short circuit current	Isc (A)	2,9	3,1	3,4	3,6	4,2	4,4	4,6
Temperature Coefficients								
Coefficient Temperature of Voltage	-77,4mV/°C				-77,4mV/°C			
Coefficient Temperature of Current	+1,76mA/°C				+2,64mA/°C			
Coefficient Temperature of Power	-0,46%/°C				-0,46%/°C			
NOCT (°C)	45				45			
Cells								
Size	2/5 6'L				3/5 6'L			
	62,4 x 156mm				93,6 x 156mm			
Layout	36 cells / 12x3				36 cells / 12x3			
Type	Multicrystalline				Multicrystalline			
General informations								
Maximum system voltage (V)	715				715			
Diodes	No				2 by-pass			
Type of connection	Big junction box				Big junction box			
Weight (kg)	5,8				7,8			
Certifications								
IEC61215 + TUV Class II								
Warranty								
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/m²; AM 1.5; Cell at ambient Temperature T: 25°C)

MLT DRIVES



Typical curve IV with irradiation of 1000 W/m² to 25°C

