BISOL BMU/214-245



Multicrystalline Silicon Photovoltaic Modules



Module presorting for a more profitable investment

Strictly positive power output tolerances



Electrical Specifications @ STC (AM1.5, 1,000 W/m², 25° C):

Module Type		BMU/214	BMU/224	BMU/227	BMU/233	BMU/239	BMU/245
Maximum Power	P _{MPP} [W]	214	224	227	233	239	245
Short Circuit Current	/ _{SC} [A]	8.15	8.30	8.35	8.45	8.56	8.65
Open Circuit Voltage	$V_{OC}[V]$	36.4	37.0	37.1	37.5	37.8	38.1
MPP Current	I _{MPP} [A]	7.50	7.70	7.80	7.90	8.00	8.15
MPP Voltage	$V_{MPP}[V]$	28.5	29.0	29.2	29.5	29.8	30.2
Solar Cell Efficiency	n _C [%]	14.7	15.3	15.5	16.0	16.4	16.8
Module Efficiency	n _M [%]	13.1	13.7	13.9	14.3	14.6	15.0

Additional power classes available on request.

Efficiency of modules at low irradiation (200 W/m²) decreases to 95.7 % of efficiency at STC.

Electrical Specifications @ AM1.5, 800 W/m², Cell Temperature 44° C:





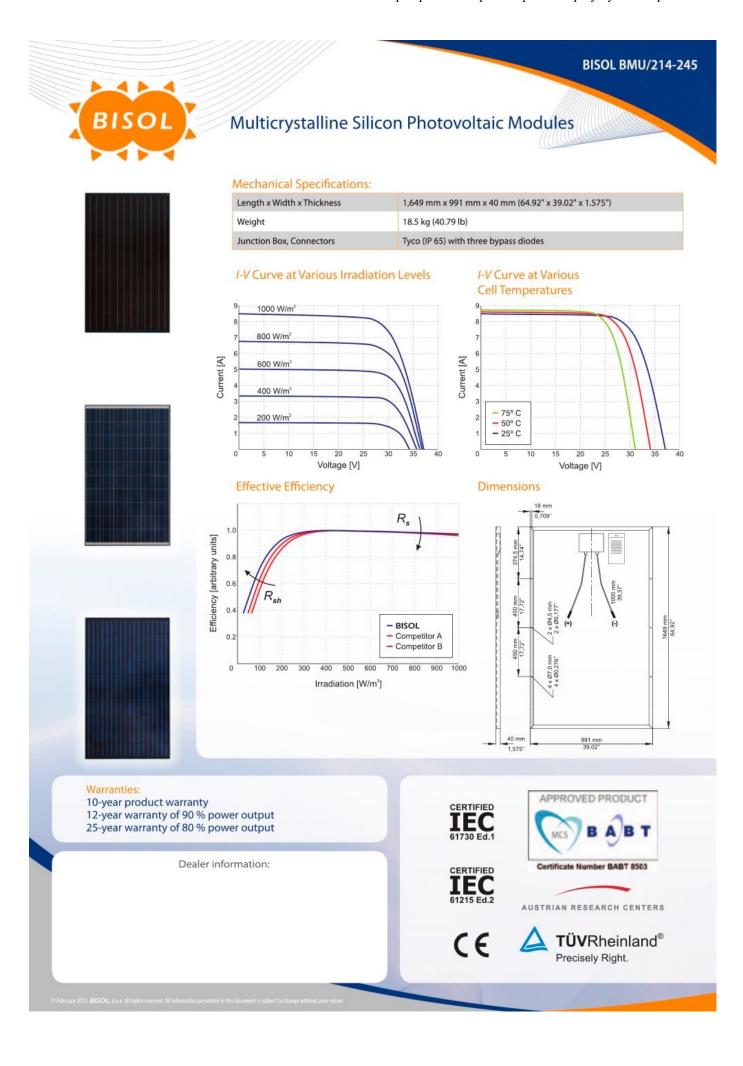
Electrical Specifications:

Solar Cell Type	Multicrystalline Silicon		
Solar Cell Dimensions	156 mm x 156 mm (6+")		
Number of Cells	60 in series		
Power Output Tolerance	0/+ 6 W		
Current Temperature Coefficient a	+ 5.5 mA/° C		
Voltage Temperature Coefficient β	- 120 mV/° C		
Power Temperature Coefficient y	- 0.40 %/° C		
Maximum System Voltage	1,000 V (IEC 61730)		
NOCT	44° C		
Limiting Reverse Current	No external voltage higher than V_{oc} should be applied		

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