

EcoOnline MOTECH cell

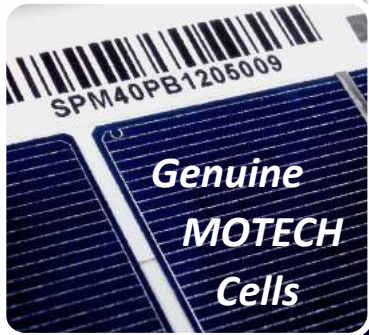
Solar PV Panel Range

Panels are periodically spot tested here in OZ for power output.

by Dr Gregory Grochola (EcoOnline physicist)



German
Certified
Panels



Panel Built to



EURO Solar PV
Standards



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EcoOnline Solar PV Panel Specs Sheet



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MOTECH Cell Solar PV Panels Feature

- Outstanding Performance in it's Class Across All Light and Temperature Conditions
- Award Winning Cell Efficiency and Excellent Cell Longevity
- 20 Year Performance Warranty for Peace of Mind

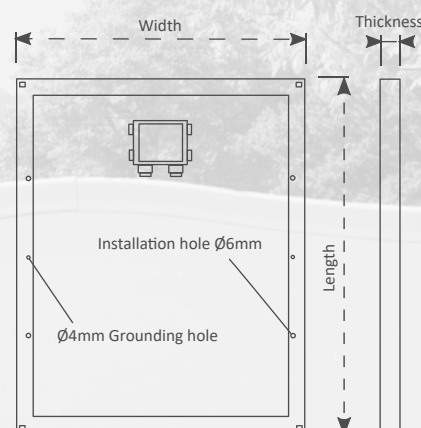
Panel Characteristics	M10W	M20W	M40W	M60W	M80W	M100W	M120W
Maximum power (P_{max})	10W	20W	40W	60W	80W	100W	120W
Power Tolerance	+0-10%						
Voltage at max power (V_{mp})	17.4V						
Current at max power (I_{mp})	0.57A	1.15A	2.3A	3.45A	4.6A	5.75A	6.89A
Open circuit voltage(V_{oc})	21.6V						
Short circuit current (I_{sc})	0.63A	1.27A	2.57A	3.79A	5.06A	6.33A	7.58A
Operating Temperature	-40°C to +85°C						
Maximum System Voltage	700V						
Maximum Series Fuse Rating	1A	2A	3A	5A	10A		
Standard Test Condition	Irradiance:= 1000Wm ² , Module Temperature:= 25°C, AM:=1.5						
Mechanical Characteristics							
Panel Length	340mm	430mm	670mm	670mm	830mm	1015mm	1260mm
Panel Width	240mm	340mm	540mm	630mm	670mm	670mm	670mm
Panel Thickness	25mm				30mm		
Cell Type (Varied)	MOTECH MulticrystallineSilicon						
Number of Cells	36 cells						
Weight	1.4Kg	2.5Kg	4.3Kg	5.2Kg	5.6Kg	7.1Kg	8.8Kg
Hail /Wind Resistance	227g steel ball dropped from 1m height						60m/s wind
Output Cables/ Connectors	None				1m x 2.5mm ² / MC4		
Warranty	P _{max} not less than 90% in 10 years and 80% in 20 years						

Temperature Coefficients

Current temperature coefficient: 0.06%± 0.01%/K

Voltage temperature coefficient: 78 ± 10 mV/K

Power temperature coefficient: 0.5% ± 0.05%/K



When you need the best !



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