



Monocrystalline Solar Module CL200M5-72 Series



<https://couleenergy.com>

Coulee Limited, electrical specialists and creators of energy saving designs for domestic and commercial applications. Coulee solar panel manufacturing processes utilize the best quality materials available and industry-leading equipment from around the world. We stand behind our promise of quality workmanship in all of our solar products.

Electrical Characteristics at STC*

Type (CL200M5-72 Series)	190W	195W	200W	205W	210W	215W
Maximum Power (Pmax/W)	190	195	200	205	210	215
Open Circuit Voltage (Voc/V)	45.02	45.26	45.48	45.65	45.80	45.90
Short Circuit Current (Isc/A)	5.56	5.62	5.66	5.73	5.81	5.91
Maximum Power Voltage (Vmp/V)	36.83	37.43	37.89	38.19	38.47	38.68
Maximum Power Current (Imp/A)	5.16	5.21	5.28	5.37	5.46	5.56
Practical Module Efficiency (η/%)*	16.93	17.38	17.83	18.27	18.72	19.16

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

Practical Module Efficiency = Watts Per Panel / (Luminous Intensity x Total Cell Area)

Power tolerance: ± 3%



Temperature Characteristics

Temperature Coefficient of Pmax	-0.45%/°C
Temperature Coefficient of Voc	-0.34%/°C
Temperature Coefficient of Isc	+0.06%/°C
Nominal Operating Cell Temperature	45 ± 2 °C

Permissible Operating Conditions

Maximum System Voltage	1000V DC
Operating Temperature	-40 °C ~ +85 °C
Maximum Snow Load	5400Pa
Maximum Wind Load	2400Pa

Mechanical Characteristics

Cell (mm)	Mono 125 × 125
Number of Cells (pcs)	72 (6 × 12)
Weight (kg)	15.2
Dimensions (L×W×H) (mm)	1580 × 808 × 40
Cable Cross Section Size (mm ²)	4
Output Cable Length (mm)	900
Front Glass	3.2mm tempered glass (EN 12150)
Frame	Anodized aluminium alloy
Junction Box	IP65 Rated
Pieces per Container	20'GP / 392; 40'GP / 812; 40'HQ / 896

Warranty

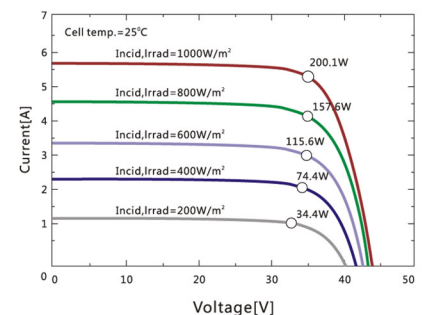
10 years limited product warranty

25 years limited performance warranty

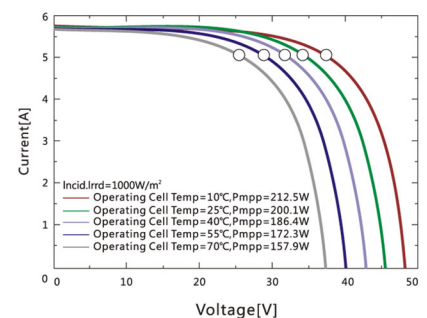
12 years at 90% of the rated power output

25 years at 80% of the rated power output

I-V Curve Under Different Irradiance



I-V Curve Under Different Cell Temperatures



Basic Dimensions

