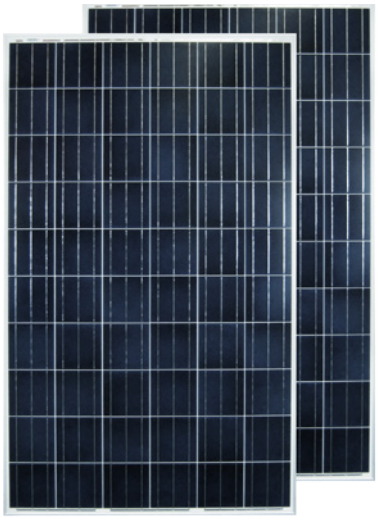
CMS
CARBON MANAGEMENT SOLUTIONS

1300 BUY CMS





New Generation Polycrystalline Panel

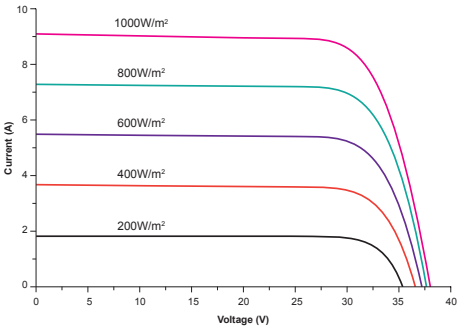
CMS-250P - CMS-260P Commercial Panel

CMS new generation polycrystalline panels have similar characteristics of our Quasi monocrystalline panels, but have a greater output in low light conditions making them our preferred panel of choice, thus giving a commercial installation an advantage in energy production. CMS recommends using the CMS250P for commercial use; it has various advantages to the traditional monocrystalline and polycrystalline used for domestic installations including higher module conversion efficiency, lower light induced degradation (LID), and lower power loss in higher temperature, and identical output to monocrystalline. We provide a 10 years material and workmanship guarantee for our modules. In addition, a 90%-power-output guarantee for 10 years and an 80%-power-output guarantee for 25 years of the modules life are provided.

Mechanical Specifications:

Dimensions	1640 x 992 x 40mm
Weight	19kg
Frame	Anodized Aluminium Alloy
Number of Cells (pieces)	156 x 156mm, 60 (6 x 12)
Cable Length	1000mm
Glass	High Transmission, Low Iron, Tempered Glass
Packing Configuration	2 per carton
Load Capacity	Mechanical load up to 5400 Pa
Junction Box	IP65 rated, with bypass diodes

IV Curves



Electrical Characteristics:

Max. Power	250W	255W	260W
Open Circuit Voltage (voc)	37.4V	37.5V	37.6V
Short Circuit Current (Isc)	8.83A	8.86A	8.95A
Max. Power Voltage (Vmp)	30.1V	30.4V	30.5V
Max. Power Current (Imp)	83A	8.39A	8.53A
Module Efficiency	15.4%	15.7%	16.0%

Efficiency at Varied Irradiation

Irradiation	200W/m²	400W/m²	600W/m²	800W/m²	1000W/m²
Efficiency	15.8%	16.2%	16.2%	16.1%	16%

Maximum Ratings

Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000VDC(EU) / 600VDC(US)
Maximum Series Fuse Rating	20A(EU) / 15A(US)

Characteristics:

Temp. Coefficient of Voc	-0.30%/°C
Temp. Coefficient of Isc	0.04%/°C
Temp. Coefficient of Pmax	-0.40%/°C
Nominal Operating Cell Temp.	45°C±2°C
Power tolerance	0~+5W
Test condition	1000W/m², AM1.5, 25°C

Product Features Include:

- High module conversion efficiency
- Easy installation and handling for various applications
- High cell efficiency with quality silicon for long term output
- Lower light induced degradation and lower temperature coefficienc
- New advanced cell technology
- Outstanding performance at low irradiance
- CEC Approved
- 100% Australian Owned Company

Phone | 1300 902 110 **Fax** | +61(0)2 47 59 3927 **Website** | www.carbonmanagement.com.au
Address | 19 John St, Lawson NSW 2783 **Postal Address** | PO Box 126, Lawson NSW 2783 **ACN** | 124 708 149