



SOLAR PANELS CS-130

Solar energy provides the front line in the search of new technologies in electrical generation. Since 1880 when the first photovoltaic cell was made, we discover sunlight is a renewable energy source and the conversion of sunlight into electricity via photovoltaic (PV) panels is an environmentally friendly process - one that is silent and produces no greenhouse gas emissions or other polluting by-products. Now in Colombia and latinoamerica, **Coltecnica Ltda** promotes the use of solar systems with low cost and high efficiency with our Solar Panels **COLSOLAR**.

You're already paying for electricity, but what tangible benefits do you have to show for it? Become an owner, not a renter, and invest in your own green power plant.

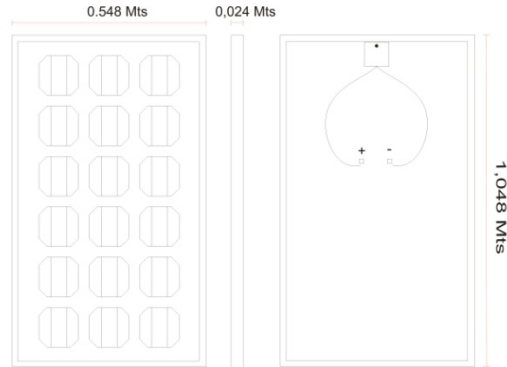


Fig. 1

Solar electric panels are probably one of the simplest alternative energy sources to use. They can be mounted on a rooftop or a freestanding solar array rack.

ELECTRICAL CHARACTERISTICS

Type: Single crystalline silicon cells
Efficiency: 17.25%

Crystalline silicon technology which is more efficient than amorphous or thin film solutions

Standard test conditions(STC)

Light intensity: Standard intensity 1000 W/m²
Spectrum: AM1.5 spectrum
Temperature: 25 °C
Measurement method: IEC904-1

Pm	131,300
Vm	16,256
Im	8,077
Voc	19,68
Isc	8,803

MECHANICAL CHARACTERISTICS

Dimension: 1048 x 580 x 24mm

Weight: 20 Kg

Solar cells: 36 cells (156 x 156 mm) configured in two panels, 6 x 3 matrix connected in series.

Junction box: IP65 junction box with 3 terminals screw connection block.

Diodes: One 9A, 45V Shottky by-pass diodes included.

Construction: Front: High transmission 4mm transparent glass; Rear: High transmission 4mm transparent glass; Encapsulant: Transparent resin.

Frame: Clear anodized aluminium alloy. Colour: Silver.

Limited Warranty: 10 years.

