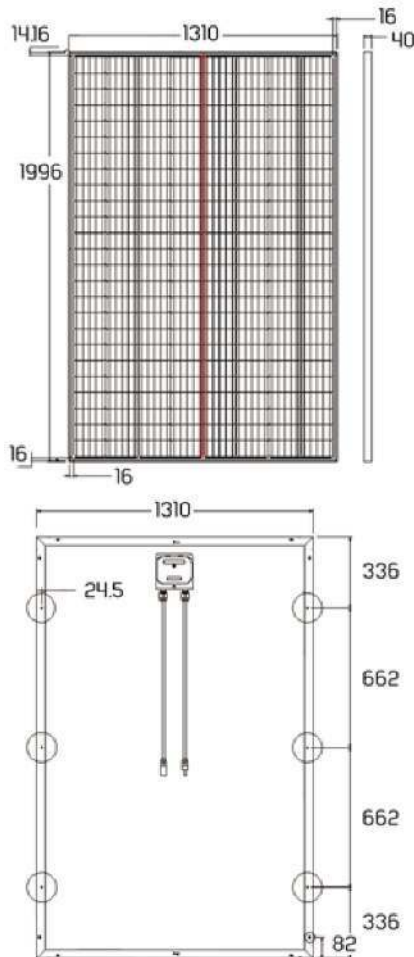




500W 96 Cell Monocrystalline Panel



POWERSYNC is introducing our paradigm changing 500W 96 Cell Monocrystalline solar PV panel.

Offering the highest wattage panels the industry has ever seen, allowing for a decrease in installation cost. Perfect solution for any size project that may be limited on space and wanting to reduce the amount of weight per watt on panels installed.

This new panel has undergone rigorous testing and certification, including UL certification and pending Tier One status (approval due August 2018).

Specifications

Product Number	500W-96M
Solar Cells:	96 cell monocrystalline
Frame:	Silver anodized aluminum alloy (40mm)
Output Cables:	12 AWG (4mm ²) cables with polarized weatherproof connectors, cable length 1.25m (49.21in)
Dimensions	mm(in): 1996 (78.58) x 1310 (51.57) x 40 (1.57)
Approximate Weight:	36.5 kg (80.46 lbs)

Electrical Specification

Nominal Power [Wp] – P _{mpp} :	500
Voltage at Nominal Power [V] – V _{mpp} :	53.94
Current at Nominal Power [A] – I _{mpp} :	9.27
Open-circuit voltage [V] – V _{oc} :	65.92
Short-circuit current [A] – I _{sc} :	9.77
Module efficiency level [%]:	19.12%

Temperature Coefficients

Voltage:	-0.308 % / °C
Current:	0.032 % / °C
Power:	-0.42 % / °C
NOCT Avg:	45°C ±3

Limits

MAX System Voltage:	DC 1,000V
Operating Module Temperature:	-40°C to +90°C
Storm Resistance / Static Load:	Tested to IEC61215 for loads up to 5400Pa (113 psf). Hail and wind resistant.

Performance under standard test conditions (STC): 1000W / m², 25°C, AM 1.5 / Output Tolerance [%] 0~ +3%

Warranty:	25 Years
Power Output	80% - 25 Years
ePower Output	90% - 10 years

