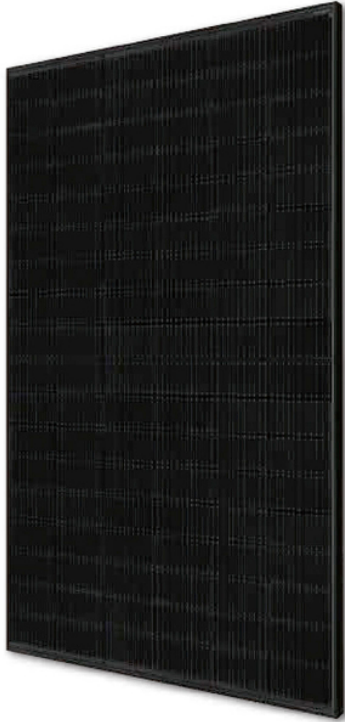


JAM54S31-405MR : 405W All-Black Solar Module by JA Solar



Price: CAD \$239.00

SKU: JAM54S31-405/MR

Product Categories: [Roof / Ground / Pole](#), [Shop](#), [Solar Modules](#), [XXL Modules : 400W+](#)

Product Tags: [400w solar module](#), [400w solar panel](#), [black](#), [canada](#), [ground](#), [home](#), [house](#), [ja solar canada](#), [JA Solar JAM54S31-405MR](#), [JAM54S31-405MR](#), [JAM54S31-405MR canada](#), [pole](#), [roof](#), [snow](#), [solar panel canada](#)

Product Page:

<https://www.modernoutpost.com/product/jam54s31-405mr-405w-all-black-solar-module-by-ja-solar/>

Product Summary

This is the JAM54S31-405MR, a 405W all-black solar module by JA Solar that checks

a number of important boxes when it comes to solar in Canada. Its sleek, all-black design, powerful output, and 54-cell construction make it particularly well-suited to both rooftop and ground-mount applications. All at an incredible price.

Product Description

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JAM54S31-405MR Design Features

54-Half-Cut Cells

This new format results in lower module voltage. This in turn means higher-output long-series module strings in ground mount systems.

More Power into a 150V MPPT controller

A lower module voltage (less than 40V Voc) allows 3 modules to be wired in series without exceeding the input limits on common 150V charge controllers (remember that module output voltage rises from what your spec sheet says for every degree below 25C!). That means more power per string with this JA Solar module than you will be able to achieve with only two of a higher-power, higher-voltage module.

11-BusBar PERC Cells

State-of-the-art PERC cells, in half-cut format, provide exceptional performance in partial shade & a rated module efficiency of 20.7%.

All-Black Aesthetics

Not only does this module look good, but like other all-black modules, the additional heat absorption will assist with snow & ice shedding. It all helps boost performance in Canada.

JAM54S31-405MR Specifications in Brief

Power Output – P_{MAX} (Wp) : 405 (-0/+5)

Nominal Power Voltage – V_{MPP} (V) : 31.21

Nominal Power Current – I_{MPP} (A) : 12.98

Open Circuit Voltage – VOC (V) : 37.23

Short Circuit Current – ISC (A) : 13.87

Power Density (W/m²) : 21

Panel Efficiency (%) : 21.6

Cell type: 108 half-cut monocrystalline PERC

Frame: Anodized aluminum (black)

Backsheet: Black

Dimensions: 1722 x 1134 x 30 mm (67.8 x 44.65 x 1.2 in)

Weight: 21.5 kg (47.3 lbs)

Download the Full Spec Sheet Here

Who Is JA Solar?

Founded in 2005, JA Solar is a **manufacturer of high-performance photovoltaic products**. With 12 manufacturing bases and more than 20 branches around the world, the company's business covers silicon wafers, cells, modules and photovoltaic power stations.

JA Solar holds a Tier 1 ranking from Bloomberg.

JA Solar also ranks among the top solar producers when it comes to ethics as evidenced in the SolarScorecard.com, and is consistently one of the top performers in PV Evolution Labs random selection HALT (highly accelerated life testing) evaluations.

Product Attributes

- Dimensions: 173 × 115 × 30 cm
- Weight: 21.5 kg