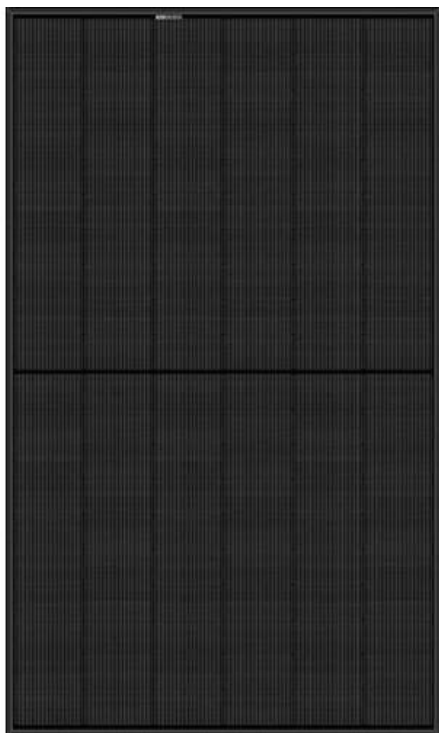


## REC400AA Alpha Pure : 400W Premium All-Black Solar Module by REC



Price: CAD \$679.00

**SKU:** REC400AA-ALPHA-PURE

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

**Product Tags:** [400w](#), [66-cell](#), [alpha](#), [black](#), [canada](#), [heterojunction](#), [pure](#), [rec alpha](#), [rec alpha canada](#), [rec solar](#), [rec400 canada](#), [rec400aa](#), [rec400aa alpha pure](#), [rec400aa canada](#), [residential solar](#)

**Product Page:**

<https://www.modernoutpost.com/product/rec400aa-alpha-pure-400w-premium-all-black-solar-module-by-rec/>

### Product Summary

This is the REC400AA Alpha Pure, a 400W premium all-black solar module by REC,

and part of their award winning Alpha Series. This module is a thing of beauty, and in demand for residential installations that care about aesthetics and maximizing the energy per square meter. Combining advanced heterojunction cell technology, split-cell module architecture, & lightweight module framing, the REC Alpha should be your leading module choice.

## Product Description

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### REC400AA Alpha Pure Features

#### **Heterojunction (HJT) cell technology**

No LID = **no power loss**; you get the power you pay for

Leading temperature coefficient means **more energy** as temperature rises

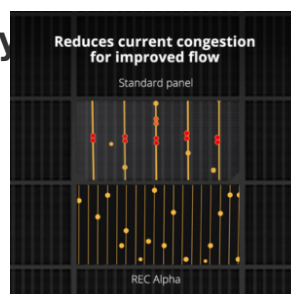
**Maximum power** for **maximum savings** and accelerated return on investment

Its high power density (**217 watts/m<sup>2</sup>**) helps to get the most from limited spaces

**20% more power** on your roof compared to conventional panels

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#### **Advanced cell connection technology**



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Increased number of wires greatly **improves flow** of electricity current

Eliminating invasive soldering removes risk of cell damage or microcracks for

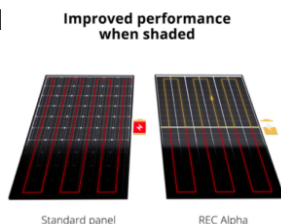
**long-lasting** high performance

**Stylish looks** thanks to thin, barely-visible wires and uniformly black-colored cells  
Full-black variant is a **design masterpiece** and the most **elegant feature for your home**

Solder-free cells **reduces lead content** by a colossal **81%**

**Environmentally-friendly manufacturing** drastically reduces carbon footprint

**REC's iconic Twin panel design**



**Award-winning** design, pioneered by REC

Panel split into two '**Twin**' sections

Reduces internal resistance for **more power** and reliability

Continued **energy production in shaded** conditions means you see **higher energy yields**

**Super-strong frame : Ideal for Canadian Snow** Support bars protect cells and glass from bending under load

Allows extreme loads up to **7000 Pa**



Panels **maintain high performance levels** over the installation lifetime

30 mm (1.2") frame height makes panel **easier to handle**

Frame design allows **optimized transportation**: more panels/pallet = more panels/container = fewer trucks on the road = **more savings**

**Premium solar panel warranty 20 year product warranty:** covers panel defects

**25 year performance warranty:** ensures panels perform exactly as they're expected to – every year for 25 years

At least **92%** of nameplate power **in year 25**; an **industry best Unprecedented savings, more economic security, and greater energy autonomy**

### **REC400AA Alpha Pure Specifications In Brief**

Power Output - P<sub>MAX</sub> (W<sub>p</sub>) : 400

Watt Class Sorting - (W) : -0/+5

Nominal Power Voltage - V<sub>MPP</sub> (V) : 42.1

Nominal Power Current - I<sub>MPP</sub> (A) : 9.51

Open Circuit Voltage - V<sub>OC</sub> (V) : 48.8

Short Circuit Current - I<sub>SC</sub> (A) : 10.25

Power Density (W/m<sup>2</sup>) : 216.35

Panel Efficiency (%) : 21.6

Cell type: 132 half-cut cells with REC heterojunction cell technology

Frame: Anodized aluminum (black)

Dimensions: 1821 x 1016 x 30 mm (71.7 x 40 x 1.2 in)

Weight: 20.5 kg (45 lbs)

Origin: Made in Singapore

Downloads

[REC Alpha Series Technology Overview](#) [REC Alpha Series Spec Sheet](#) **REC Product Guide About REC**

Founded in 1996, REC Group is an international pioneering solar energy company dedicated to empowering consumers with clean, affordable solar power. As Solar's Most Trusted, REC is committed to high quality, innovation, and a low carbon footprint in the solar materials and solar panels it manufactures. Headquartered in Norway with operational headquarters in Singapore, REC also has regional hubs in North America, Europe, and Asia-Pacific.

## Product Attributes

- Dimensions: 1 &times; 1 &times; 1 cm
- Weight: 19.5 kg