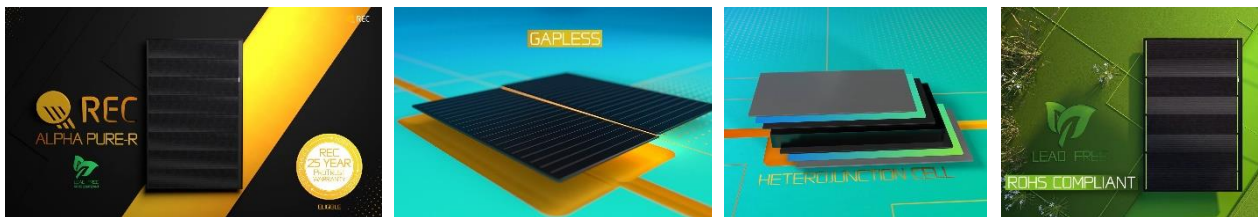


## RE+ 2022:

### New REC Alpha Pure-R solar panel for the first time on stage in the US

*With up to 430 Wp packed into less than 21 square feet, the new REC Alpha Pure-R hits the green energy sweet spot in terms of power output, size, and sustainability. REC's latest panel innovation builds on the lead-free and RoHS compliant REC Alpha Pure Series, which won the prestigious 2022 Intersolar Award for photovoltaics.*



**Pismo Beach, CA, September 15, 2022** – [REC Group](#), an international pioneering solar energy company headquartered in Norway, presents for the first time to the US market its latest high-efficiency solar panel at RE+ 2022, formerly SPI. With its high-power density innovations, the new [REC Alpha Pure-R](#) marks another advancement of the multiple award-winning REC Alpha family, most recently the 2022 Intersolar Award for Alpha Pure. REC's CEO, VP Global Marketing and President REC Americas will present the latest innovation at REC's Booth #1450 launch event on Tuesday, September 20 at 3:30 pm PST, followed by a celebratory Happy Hour.

Featuring heterojunction (HJT) cells in the large G12 format in a patented panel design, REC's newest product delivers power output of up to 430 Wp, while keeping the module under 21 square feet. The REC Alpha Pure-R is ideal for residential installations where space is limited. Production just started at REC's new production lines in Singapore, doubling REC's Alpha product line capacity from 600 MW to 1.2 GW.

#### **G12 wafers and cells in a compact form factor**

G12 wafers and cells are bigger, meaning they output more power. However, most of the resulting modules are substantially larger, which is why to date G12 solar panels have been deployed mainly in large commercial and utility installations. With REC's new panel design, the Alpha Pure-R shows that G12 can also work well for residential rooftop installations.

Cary Hayes, President REC Americas, comments: "The REC Alpha Pure-R really hits the sweet spot in terms of power output, size, and sustainability. After 25 years in this industry, we know two things for sure: firstly, only with bold innovations and highest power densities will we be able to mitigate climate change on a grand scale and empower homeowners to maximize their investment and energy yield. Secondly, as the solar energy industry grows, sustainability of solar panels needs to evolve, too."

#### **Hitting the sweet spot**

The new REC Alpha Pure-R reaches 430 Wp in a compact panel size of 20.77ft<sup>2</sup>, which means it comes with a leading power density of 20.7 W/ft<sup>2</sup> while remaining a manageable form factor for seamless integration on the roof and easy installation. The new panel features 80 half-cut HJT cells in a gapless cell layout. This makes it possible to maximize the power generating area of the panel and ensures an elegant, full black appearance. The advanced cell connection technology improves the current flow and eliminates invasive soldering, adding to the high efficiency and long-lasting performance. Additionally, the low temperature coefficient keeps the solar panel running efficiently even on hotter days, generating more energy for households. The REC Alpha Pure-R comes with a new four-part junction box. This takes REC's iconic Twin Design a step further, dividing the panel into four strings and reducing the size of sections that switch off under shaded

conditions. As a result, the panel can generate even more energy when partially shaded. REC's iconic 1.2in frame with its two support bars, make the panel robust enough to withstand heavy loads – up to 7,000 Pascal snow load and up to 4,000 Pascal wind load.

#### **Added value also for the environment**

The new panel features many of the standout highlights that have made the REC Alpha family such a success and strengthens REC's reputation as a company that takes its environmental responsibilities seriously. Like REC's last year innovation, the Alpha Pure, the new panel is lead-free and RoHS compliant for less environmental impact. Following the 2020 Intersolar Award for the REC Alpha Series, this year's jury acknowledged that the REC Alpha Pure is one of the very few lead-free solar panels on the market and as such a well-deserved winner of the award.

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#### **About REC Group:**

REC Group is an international pioneering solar energy company dedicated to empowering consumers with clean, affordable solar power through high-quality solar panels with a leading power density. As Solar's Most Trusted, REC is known for its patented innovations and multiple award-winning products with reliable long-term performance. The cornerstone for REC's strong reliability is advanced and highly efficient manufacturing using Industry 4.0 practices. Founded in 1996 in Norway, REC has always been committed to a low carbon footprint in its solar materials and panels. REC is headquartered in Norway with operational headquarters in Singapore and regional hubs in North America, Europe, and Asia-Pacific.

Find out more at [recgroup.com](http://recgroup.com) and on    