

RFUSION

TOMORROWS TECHNOLOGY TODAY

300W Power Tower



R Power when you need it

R Power is one of the world's first integrators to use a non-glass, UL certified crystalline PV modules. The module's multi-layered structure provides excellent resistance to harsh environmental conditions and the fluoropolymer front sheet protects the module from all chemicals.

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Multi-Functional Design

The 300W Power Tower is designed to fit countless applications. The patented design is ideal for applications where space is an issue or equipment needs to be higher up, such as CCTV cameras, wireless mesh units, or Drone jammers. The panel is designed to generate power in the most extreme environments where other power sources would not survive.

Impact Resistance and Shatterproof

When a glass solar module is hit with a hammer, it shatters, and the entire module will lose power. Rfusion's solar module will only lose power at the point of impact if the solar cell is damaged, but not from the entire module. These Solar modules are impact resistant and shatterproof as the modules are IEC 61215 certified for hail impact resistance

Built with Lightweight Advanced Materials

Our solar modules are 40-50% lighter than glass panels. This makes easier for shipping, handling and installation. The light weight material helps save on overall weight to cost ratio. The panel is covered with a fluoropolymer film that lasts for years, holds up in harsh weather conditions and reduces glare. The R Power solar modules are rugged and built to last with carbon/glass fibre rigid composite materials.

Minimal Glare and High Absorption Rate

These solar modules utilise the advanced material property to reduce the reflection and glare. This makes the solar modules perfect for applications where glare becomes a critical safety issue such as in military, airports and in traffic areas. With a lower reflection rate the solar module has a better light absorption rate than a glass solar module.

High efficiency solar module

Rfusion's Solar modules are made with high efficiency mono crystalline silicon cells. Individual cells are over 22.0% efficient. IP67 rated, no Potential-induced degradation (PID) phenomenon. UL1703 certified.

Customise modules for our customers

Rfusion develops customised solar modules for each of our customer needs. The modules range from 20w to 400W power outputs. There are different colour and fabrics available for behind the cells instead of the standard white. Ask for details about colour and camouflage options.



Size mm

1180 x 2337 x 1100 with tower

1180 x 1100 x 475 base only

Weight base 30kg with no batteries

Weight tower 20kg with 2 meter mast for fixing technology such as cameras, mesh communications, drone jammers, etc.

Fully enclosed area for up to 4 large leisure type batteries and solar charge controller.

Can be bolted down or filled with water or concrete.

Range of different output voltages and power outputs

