SOLAR WAVES

Faster

We offer **faster deployment options on wheels**. Our arrays arrive in packs, that can be unfolded.

The **rate of deployment can be as high as 2 Megawatt per day** with a small team of 9.

Cheaper

'Solar Waves' is based on a frame manufactured from **recycled low-carbon aluminum**.

All our solar arrays are pre-wired in the factory. There is **no additional electrical work** needed, while deploying the arrays on location.

Stronger

The 'Solar Waves' aluminum frame has been tested under a variety of circumstances in **collaboration with the Australian Steel Institute**.

The arrays are on both long ends equipped with an airfoil. This detail reduces the impact of wind force on the array by 15%. It helped to certify 'Solar Waves' to **withstand category 5 hurricanes.**

Self-Cleaning

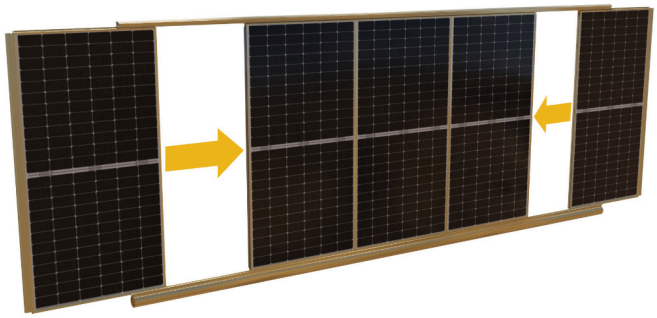
'Solar Waves' can be delivered with a self-cleaning system.

Rainwater is collected between the ridges on each array and **pumped and sprayed out of the top ridge** to clean the solar panels regularly and therefor guarantee peak performance at all time.

Sliding Assembly

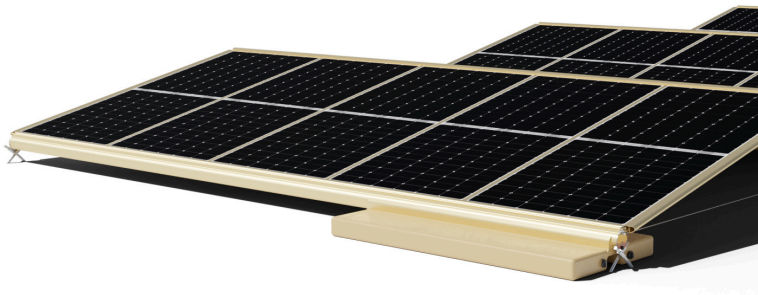
The assembly and maintenance are based on slide-together aluminum extrusions. **No S/S fixings, nuts, bolts, screws, or clamps are required**.

Furthermore, **maintaining the deployed solar array does not require tools** and can be done in a time-efficient manner.



Technical Data:

Type	Performance Characteristics
Windload:	Our system is tested and certified to Region D in Australia & Catagory 5 hurricane winds in excess of 158 mph or 255 kph.
Design life:	25 years
Durability:	All weather-proofing and UV resistant up to corrosion levels of C3.
Warranty:	15 yearsof workmanship warranty to the Solar Waves structure. Warranties apply to standard modules PV panels.



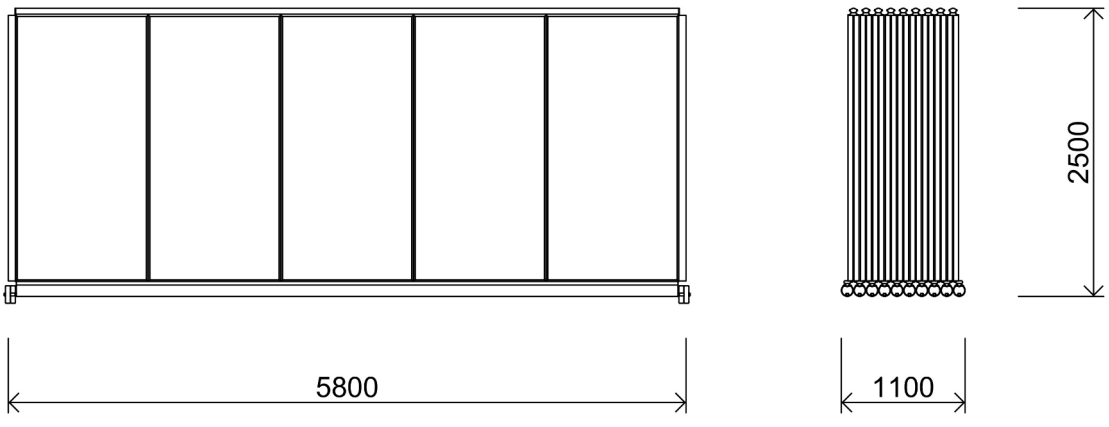
Technical characteristics:

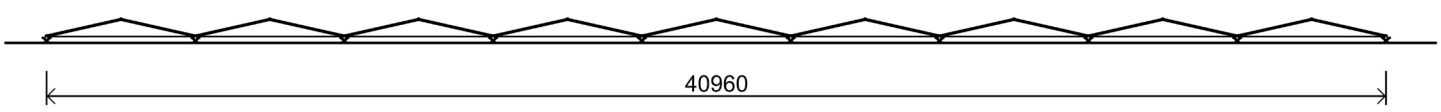
Type	Technical characteristics
Power:	50 KW assuming 90 x 550 watt modules arranged into 9 waves of 10 modules between 10 tubular beams, modular scaling to multi-megawave systems.
Orientation:	Fixed tilt modules to 10°, 45 modules facing east and 45 modules facing west.
Modules:	Almost any modules can be used in our Solar Wave system. Our standard Wave has 550 watt modules and its dimensions are: Width 1035 mm, Length: 2480 mm, Frame Profile
Strings:	Module string length supported: 18, 27, 30 to support a range of central and string inverters from 1,000 - 1,500 V.
Earthing:	All metal and electrical wiring components comply with the maximum requirements of the electrical standards.

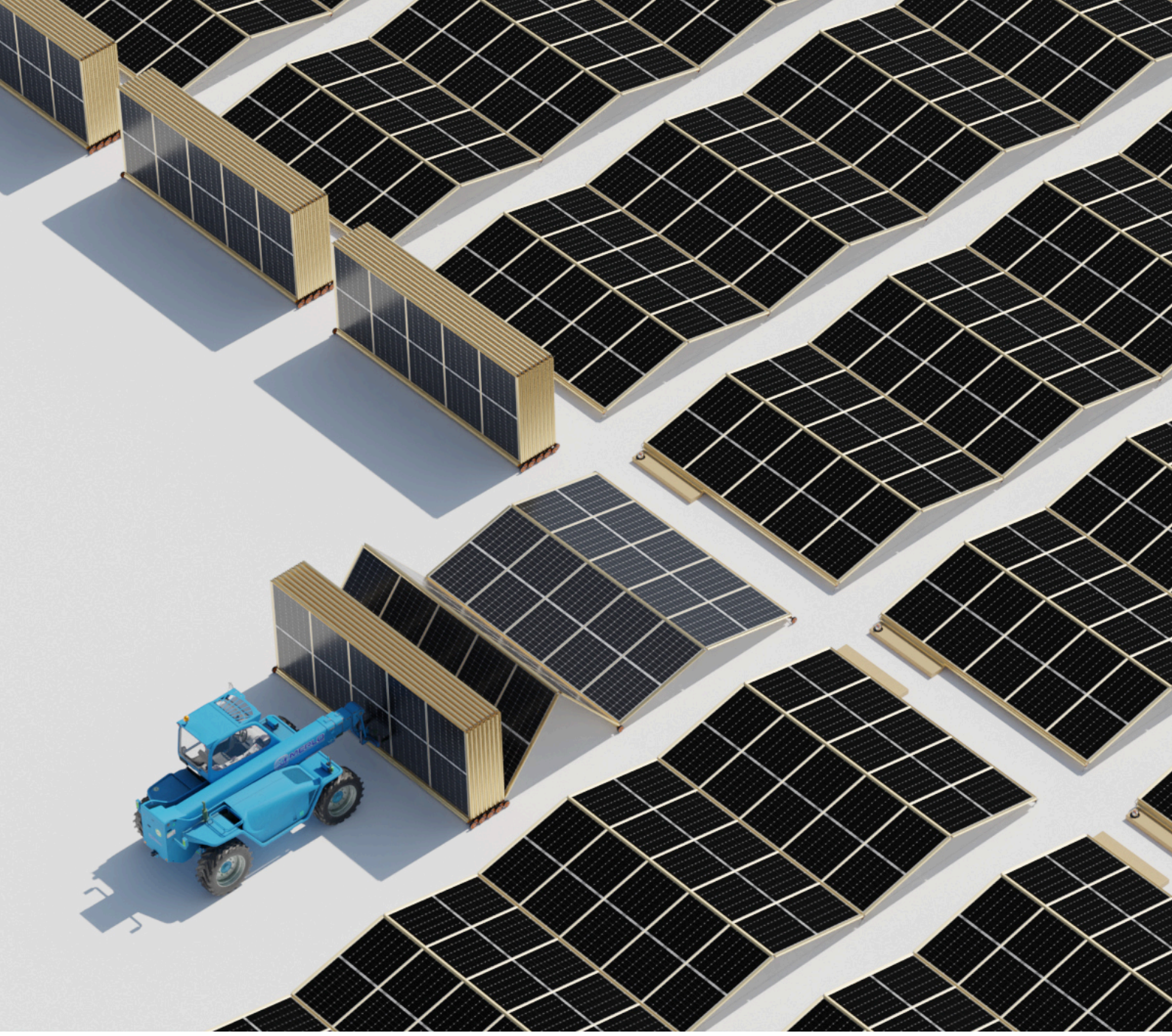
Deployment characteristics:

Type	Deployment characteristics
Ground Penetration:	Our water tank ballast sit on the surface and our diagonal anchors vary in length due to the maximium wind force specified for each particular site.
Redeployment:	Redeployable within or at the end of product life.
Site Requirements:	Deployment on ground up to 4° inclination in all directions (± 200 mm over 5.0 M).
Logistics	2 X 50 Mega Waves 100 KW per 6.0 HQ shipping container or 4 X 50 Mega Waves 200KW per 12.0 M shipping containers or 13 M flatbed semi trailer.
O&M:	Solar Waves comes with a self cleaning system option eliminating 90% of ongoing maintenance.
GCR:	In large arrays we only occupy 83% of the land or water allocated to the installation. We have a 1.2 M access corridor for panel replacement and component maintenance.

Solar Waves Dimensions:







SOLAR WAVES

solarwaves.com.au

Phone: +61 5521 2211
sales@solarwaves.com.au

NSW Office:
15 Booralie Rd
Terrey Hills
NSW 2084

QLD Office:
U1/111 Lahrs Rd
Ormeau
QLD 4208

CLEAN ENERGY COUNCIL MEMBER

AUSTRALIAN STEEL INSTITUTE