

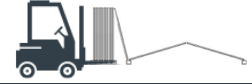
# MAVERICK™ Simpler. Faster. Smarter.



**Efficient pre-assembly cuts onsite labour**

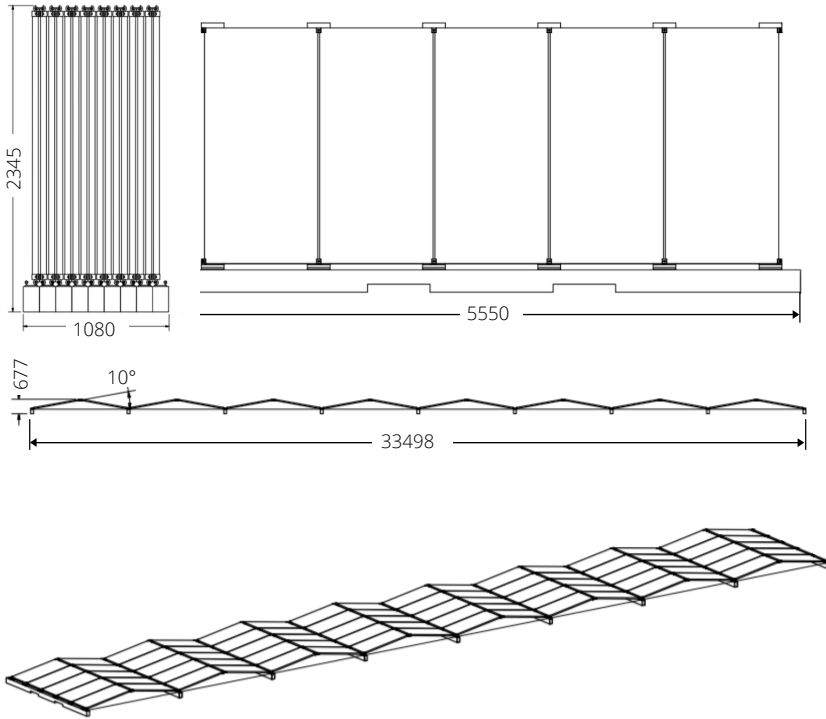


**Arrives on site mechanically and electrically prefabricated**



**Rapidly deployed on site**

## Mechanical Specifications



MAV model	5BAU-MAV-5P9B
Module Configuration	80 modules per MAV, 5 wide x 16 long
Module Dimensions	40 (H) x 996 (W) x 2015 (L) mm
Packed Dimensions	5550 (W) x 2345 (H) x 1080 (L) mm
Packing Configuration	4 MAV units per 40' HQ container
Deployed Dimensions	5550 (W) x 677 (H) x 33498 (L) mm
Deployment Type	Telehandler or forklift
Tilt Angle	10 degrees, excluding ground variation
Weight	5338 kg per MAV
Module connections	Anodised aluminium alloy hinges, module clamps
Tethers	Hot Dip Galvanized steel cable
Ballast	Precast 50MPa reinforced concrete beam
Peak wind velocity	37 m/s oriented E/W and 33 m/s oriented N/S
Design Life	25 Years
Beam to beam height tolerance (E/W)	Maximum 350mm (within one MAVERICK unit)
Beam-end to beam-end height tolerance (E/W)	Maximum 190mm
Corrosivity Category	C3
Maximum Periodic flood height	170mm <b>(N.B. this does not cover local geotechnical events caused by flooding)</b>

## Electrical Specifications

### Module

PV Module Type	RSM144-6-400M
Maximum Power (Pmax)	400 W
Open-circuit Voltage (Voc)	48.6 V
Maximum Power Voltage (Vmp)	40.45 V
Short-circuit Current (Isc)	10.5 A
Maximum Power Current (Imp)	9.9 A
Module Efficiency (STC)	20.4 %
Operating Temperature	-40 ~ +85 °C
Maximum Module Voltage	1500 V

### Array

Power at MPP	32 kW per MAV unit
Open circuit voltage	972 V per string
Voltage at MPP	809 V per string
Short circuit current	10.5 A per string
Current at MPP	9.9 A per string
String Cabling Method	Intra-MAV
String Configuration	4 x 20S East, West
Terminations	MC4
String Fuse	N/A

## Certifications

Australian Patent #2015327772, Intl. Patents Pending.

The Maverick product is compliant with relevant sections of the following standards and able to be integrated into solar PV systems that are compliant with the following standards: CEC Solar installation guidelines, AS/NZS 5033, AS 1170.0, AS 1170.1, AS 1170.2, AS 1664.1, AS 3600, AS/NZS 3000, AS/NZS 4777:2005, AS/NZS 1768:2007, AS/NZS 4509:2009.

Structurally certified for transport and operation in wind regions A and B to the aforementioned standards.



### ABOUT 5B

5B is an Australian engineering team dedicated to developing cutting-edge technologies that reduce the cost of renewable energy. 5B's Maverick is the only re-deployable solar array that is cheaper and faster to install than conventional solar.

