

### Simpler. Faster. Smarter.

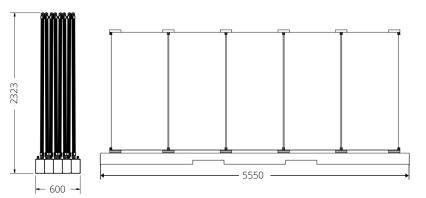






Rapidly deployed on

## **Mechanical Specifications**



MAV model 5BAU-MAV-5P5B-16S-JAM72S10 390-410/PR

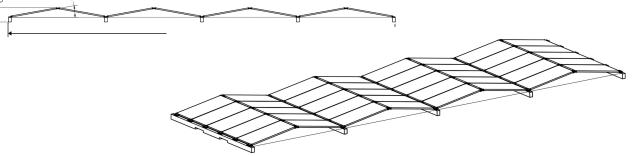
Module Configuration 40 modules per MAV, 5 wide x 8 long Module Dimensions 40 (H) x 996 (W) x 2015 (L) mm Packed Dimensions 5550 (W) x 2323 (H) x 600 (L) mm Packing Configuration 4 mav units per 20' HQ container Deployed Dimensions 5550 (W) x 677 (H) x 16782 (L) mm Deployment Type Telehandler or forklift Tilt Angle 10 degrees, excluding ground variation

Weight 2700 kg per MAV

Module connections Anodised aluminium alloy hinges, module clamps Tethers Stainless steel cable

Beam-beam tolerance EW Maximum 500mm

Ballast Precast 50MPa reinforced concrete beam Peak wind velocity Wind region A to B, with minor additional ballast



# **Electrical Specifications**

#### Module

PV Module Type	JAM72S10-400/PR
Maximum Power (Pmax)	400 W
Open-circuit Voltage (Voc)	49.5 V
Maximum Power Voltage (Vmp)	41.2 V
Short-circuit Current (Isc)	10.3 A
Maximum Power Current (Imp)	9.72 A
Module Efficiency (STC)	19.9 %
Operating Temperature	-40 ~ +85 °C
Maximum Module Voltage	1000 V

### **Array**

16 kW per MAV unit Power at MPP 792 V per string Open circuit voltage 659 V per string Voltage at MPP 10.3 A per string Short circuit current 9.72 A per string Current at MPP Intra-MAV String Cabling Method 2 x 16S & 2 x 4s : 2 East, 2 West String Configuration OC4 Terminations N/A String Fuse

### **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.



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.

