



# AIR-MET SCIENTIFIC SOLAR BATTERY SOLUTION

## RUGGED SOLAR BATTERY KIT FOR REMOTE OUTDOOR MONITORING APPLICATIONS

The Air-Met Scientific Solar Battery Solution is a solar battery kit specifically designed for use with remote outdoor monitoring stations.

Engineered for simplicity and convenience, the system is easy to install in a variety of applications and can be scaled up or down to suit the specific requirements of an application.

The Solar Battery Solution is readily compatible with most remote monitoring units from a wide range of suppliers, including the Australian Made certified AirMetER Series Environmental Monitoring Stations. Where needed, it can be redesigned for compatibility with virtually any unit, making it an ideal power source for outdoor monitoring projects.



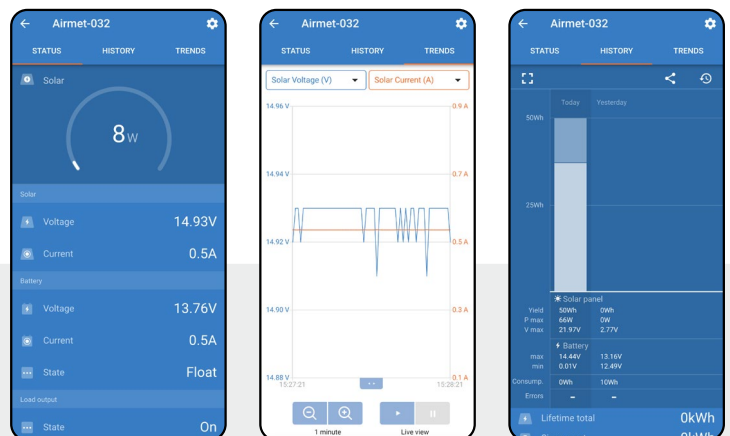
### BLUETOOTH CAPABILITY

The Air-Met Scientific Solar Battery Solution delivers battery data directly to the VictronConnect app on any compatible device such as a phone, tablet, Mac or PC.

The VictronConnect app allows the user to swiftly and effortlessly monitor, configure and diagnose the system via Bluetooth connection.

#### The VictronConnect App offers several benefits including:

- > Battery parameters such as charge, voltage, yield and current
- > Efficient troubleshooting
- > Error data that can be shared online, eliminating the need for an on-site technician
- > Future potential for cloud connection



## TECHNICAL SPECIFICATIONS

### SOLAR PANEL

Maximum Power	250W
Optimum Power Voltage (Vmp)	18.5V
Optimum Operating Current (Imp)	10.82A
Open Circuit Voltage (Voc)	22.71V
Short Circuit Current (Isc)	11.9A
Dimensions Unfolded	1350 (H) x 1010 (W) x 40 (D)
Dimensions Folded	670 (H) x 1010 (W) x 80 (D)
Weight Per Piece	20kg
Electricity Generation	600Wh (Summer) 400Wh (Winter)

### BATTERY

Battery Type	AGM	LiFePo4
Capacity	170Ah	120Ah
Nominal Voltage	12V	12V
Low Voltage Cut-Out	11V	11V

### BATTERY ENCLOSURE

Material	UV Stabilised Polyethylene Plastic
Dimensions (mm)	320 (H) x 450 (W) x 500 (D)
Weight	60kg (AGM) 25kg (Lithium)
Solar/Load Connection	IP rated amphenol plugs
Internal Protection	20A DC C/B – Battery 6A DC C/B – Load

### LOAD OUTPUT

Nominal Voltage	12.2V
Output Voltage Adj. Range	10-15V
Rate Max Output Current	4A
Rate Max Output Power	48W
Efficiency	87%
Standby Current	<50mA

## ACCESSORIES

PART NO.	DESCRIPTION
AMS/250S/120B/15M/9C	120 Ah Lithium Solar-Battery Kit, 25kg, 250W Solar Panel
AMS/2x160S/150B/15M/9C	150 Ah Lithium Solar-Battery Kit, 2x 160W Solar Panel with Pole-Mounting Kit
AMS-CERBO	Upgrade kit for solar-battery kit supporting remote monitoring
IPF250	250W Solar Panel
MC4YJP	Y-Connector to support 2 solar panels wired in parallel
Twin4mm2-MC4-TwoEnd-3M	Extension cable to support 2 solar panels wired in parallel

WANT TO LEARN MORE? CONTACT US TODAY!

For more information about our Solar Battery Solution, contact your local Air-Met Scientific office on 1800 000 744 or contact our team via email at [engineeredolutions@airmet.com.au](mailto:engineeredolutions@airmet.com.au). Alternatively, scan the QR code to find your nearest Air-Met Scientific office.



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