

AIR-MET SCIENTIFIC

# SOLAR BATTERY SOLUTION

RUGGED SOLAR BATTERY KIT FOR REMOTE OUTDOOR MONITORING APPLICATIONS



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

Created with simplicity and convenience in mind, the system is easy to install for a variety of applications and can be scaled up or down to suit changing client needs.

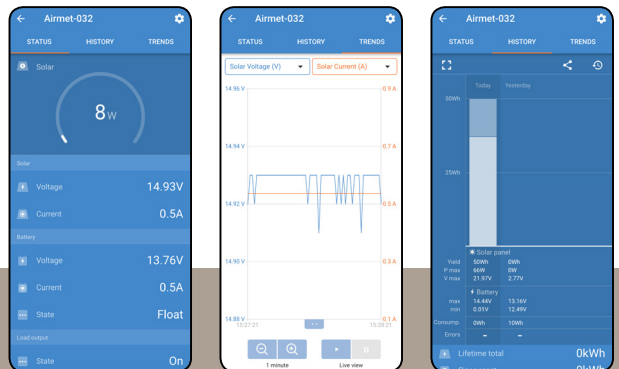
The Solar Battery Solution is readily compatible with most remote monitoring units from a wide range of suppliers. Where needed, it can be redesigned for compatibility with virtually any unit, making it an ideal choice for any monitoring project.



## BLUETOOTH CAPABILITIES

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

Swiftly and effortlessly, VictronConnect allows users to monitor, configure and diagnose the system via Bluetooth connection.



## BENEFITS

- Easily view battery parameters such as charge, voltage, yield and current
- Cost-effective and efficient troubleshooting
- Error data can be shared online, eliminating the need to bring a technician on-site
- Future potential for cloud connection



## TECHNICAL SPECIFICATIONS

### SOLAR PANEL

Maximum Power	200W
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 (mm)	1350 (H) x 1010 (W) x 40 (D)
Dimensions Folded (mm)	670 (H) x 1010 (W) x 80 (D)
Weight Per-Piece	20kg
Electricity Generation	600Wh (Summer) 400Wh (Winter)

### BATTERY

Capacity	170Ah
Nominal Voltage	12V
Battery Type	AGM
Low Voltage Cut-Out	10.5V

### LOAD OUTPUT

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

### BATTERY ENCLOSURE

Material	UV stabilised polyethylene plastic
Dimensions (mm)	320 (H) x 450 (W) x 500 (D)
Weight	55kg
Solar/Load Connection	IP rated amphenol plugs
Internal Protection	20A DC C/B – Battery 6A DC C/B – Load

## ACCESSORIES

PART NO.	ACCESSORY
AMS/200S/P-CABLE	Parallel Connection Cable