

PRODUCT SUMMARY

Air Quality Monitoring - Power Options

Solving your
Monitoring Problems
to make your life easier



We understand every project is different, which is why we've designed simple and easy to use power options for every situation. Our systems are portable, rugged and reliable with weatherproof connections and cables making your life easier.

POWER OPTIONS

Item	Power Supply	Power Duration
Mini Powermate	30 Ah Lithium-Ion portable battery pack (DC) and AC charger	15 hours
Midi Powermate	50 Ah Lithium-Ion portable battery pack (DC) and AC charger	28 hours
Maxi Powermate	100 Ah Lithium-Ion Battery Case	50 hours
Ultra Powermate	Weatherproof, solar compatible enclosure for 2 x 110 Ah batteries (portable with wheels)	100 hours
Aluminum Enclosure	Weatherproof, solar compatible enclosure for 2 or 3 x 110 Ah batteries (pole mounted)	100 - 150 hours
Solar Kits	Includes battery enclosure, 150W solar panels, mount and cables	All year round
Programmable Timer	On/off daily timer with options for each day of the week	NA



BENEFITS

- ▶ **Lightweight and easy to set-up**
- ▶ **Weather proof quick connectors**
- ▶ **Remote solar power diagnostics**
- ▶ **Expandable Modular Design**

The Mini Powermate is our most portable power solution, and can be easily and rapidly charged by AC power.

FEATURES

- ▶ Weatherproof, durable case (with handle)
- ▶ 12V 30 Ah Lithium ion battery pack
- ▶ AC charger
- ▶ Cable for connecting to monitoring system
- ▶ Waterproof Quick Connectors (Cnlinko)



BENEFITS

- ▶ Lightweight Lithium Ion Battery
- ▶ Weatherproof for outdoor use
- ▶ 15 hours of battery life (Aeroqual)
- ▶ One week of battery life (Sonitus)
- ▶ Charge with AC power (in 5 hours)



The Midi Powermate is our portable 24 hour solution, and can be easily and rapidly charged by AC power.

FEATURES

- ▶ **Weatherproof, durable case (with handle)**
- ▶ **12V 50 Ah Lithium ion battery pack**
- ▶ **AC charger**
- ▶ **Cable for connecting to monitoring system**
- ▶ **Waterproof Quick Connectors (Cnlinko)**



BENEFITS

- ▶ **Lightweight Lithium Ion Battery**
- ▶ **Weatherproof for outdoor use**
- ▶ **28 hours of battery life (Aeroqual)**
- ▶ **Charge with AC power (in 8 hours)**

The Maxi Powermate is our portable 50 hour solution, and can be easily and rapidly charged by AC power.

FEATURES

- ▶ **Weatherproof, durable case (with handle)**
- ▶ **12V 100 Ah Lithium ion battery pack**
- ▶ **AC charger**
- ▶ **Cable for connecting to monitoring system**
- ▶ **Waterproof Quick Connectors (Cnlinko)**



BENEFITS

- ▶ **Lightweight Lithium Ion Battery**
- ▶ **Weatherproof for outdoor use**
- ▶ **50 hours of battery life (Aeroqual)**
- ▶ **Charge with AC power (in 9 hours)**

The Ultra Powermate is a portable, rugged, solar compatible power system that supplies a 12V power source to a remote monitoring station. The sturdy plastic case has multiple pull handles and wheels for moving the system on site and is built to withstand all weather elements.

FEATURES

- ▶ High capacity/quality bluetooth charge controller
- ▶ Easy to use, weatherproof connections
- ▶ Rugged, wheeled plastic enclosure
- ▶ Built-in automatic pressure equalization valves
- ▶ 6 x sturdy latches, padlockable holes
- ▶ Connect charge controller to Aeroqual Cloud

BENEFITS

- ▶ 24VDC input compatibility ensures max efficiency
- ▶ Quick setup time
- ▶ Modular design gives added flexibility
- ▶ Compatible with most data acquisition systems
- ▶ Ideal for long-term, outdoor monitoring projects



TECHNICAL SPECIFICATIONS

- | | |
|-----------------------------|-----------------------------------|
| ▶ Size: | 30" x 23" x 16" |
| ▶ Case Material: | Polyolefin |
| ▶ Case Weight: | 48lbs (without batteries) |
| ▶ DC Input Cable (Solar): | Cnlinko (case), MC4 (solar panel) |
| ▶ DC Output Cable (System): | Cnlinko (case) x 2 |
| ▶ Ingress Protection: | IP65 |
| ▶ Power Input: | 24 - 40VDC |
| ▶ Power Output: | 12VDC (option to be regulated) |
| ▶ Battery Capacity: | 220 Ah (110 Ah per battery) |
| ▶ Battery Weight: | 80 lbs (40lbs per battery) |



SOLAR KIT (GROUND)

Specto provides fully tested solar power kits that connect easily to your monitoring system. Ground mounted with Quick Connection for an easy set-up.

FEATURES

- ▶ **Ultra Powermate included**
- ▶ **24V 150 W Solar Panels**
- ▶ **Ground mounted**
- ▶ **Cnlinko and MC4 connectors**
- ▶ **Weatherproof cables included**



BENEFITS

- ▶ **24V Solar Panels maximize efficiency**
- ▶ **Fully tested prior to shipping**
- ▶ **Fits on a pallet for security/transport**
- ▶ **Expandable modular design**



Specto provides fully tested solar power kits that connect easily to your monitoring system. Pole mounted aluminum enclosure and solar panels with MC4 connectors and weatherproof Cnlinko connections.

FEATURES

- ▶ **24V 150 W Solar Panels**
- ▶ **Pole mounted (2 inches)**
- ▶ **Aluminum enclosure (lockable)**
- ▶ **Cnlinko and MC4 connectors**
- ▶ **Weatherproof cables included**



BENEFITS

- ▶ **Connect directly to aluminum enclosure**
- ▶ **24V Solar Panels maximize efficiency**
- ▶ **Fully tested prior to shipping**
- ▶ **2 or 3 battery enclosures available**
- ▶ **Remote Solar Power Diagnostics**