



Problems with power on site? Team RVT environmental dust monitors and noise monitors with a Monitex Power Pack, and you can rest assured that there will be no breaks in your data collection. RVT offer 3 different Power Pack options.

Option 1 - Monitex Power Pack - For Monitex Noise Monitors

In all types of weather conditions, this powerful and robust power pack will keep your noise monitoring on track.

External Battery Pack

The system's external battery pack is contained in an IP67 waterproof case. Two external IP68 connectors are provided, one for charging of the battery and the second for providing power to the sound level monitor. The case and connector locations are shown in Figure 1. The battery output voltage is nominally 12.8V and has a rated capacity of 35 Amp Hours. The battery pack is 10kg in weight.

Power Output

The monitor is connected to the battery using the 1m power cable supplied with the power pack. The power cable has matched IP68 connectors for the battery output and sound level monitor power input. The output voltage of the battery pack is regulated at 12V and provides a maximum output current of 1.5A.

Power Switch and Long Term Storage

The monitor is connected to the battery using the 1m power cable supplied with the power pack. The power cable has matched IP68 connectors for the battery output and sound level monitor power input. The output voltage of the battery pack is regulated at 12V and provides a maximum output current of 1.5A.

Features & Benefits

- ✓ IP67 waterproof case
- ✓ Two external IP68 connectors provided
- ✓ Output voltage is nominally 12.8V
- ✓ Rated capacity of 35 Amp Hours
- ✓ Maximum output current of 1.5A

Key Applications

- ✓ For charging Monitex Noise Monitors



Monitex Power Pack

Battery type	Lithium Iron Phosphate (LiFePO4) or sealed AGM
Output Voltage	Regulated 12V D C
Max Output Current	1.5 A
Charge cut-off voltage	14.4V
Maximum input voltage	16V
Low power cut-off voltage	11.5V
Minimum voltage	10V
Capacity	35Ah
Charger Input Voltage	110-240V AC
Overcurrent protection	7.5A fuse on battery controller circuit
Weight	10kg
Enclosure	IP67
Dimensions	340 x 300 x 150 mm





Option 2 - Monitex Power Pack - For Monitex Noise Monitors

This Power Pack is designed to be used with Monitex Noise Monitors. This powerful and robust power pack will keep your monitoring programme on track in all types of weather conditions. It is a small and lightweight power pack, making it easy to move around on site.

Battery Pack

This Power Pack is IP67 rated waterproof portable power solution which comes supplied in an official Peli case. This kit is incredibly easy to carry and install. It weighs only 6kg and comes supplied with a charger as well as a bare ends Amphenol lead, making integration very simple. The amount of charge remaining is indicated on the side of the battery pack, and it runs from a full battery for 5 hours.

Power Output

Boasting 2 x ports, if needed, one port can be used for charging and the other as an output, effectively turning this battery an Uninterruptible Power Supply (UPS) for your application.

Features & Benefits

- ✓ Easy to carry and install weighing only 6kg
- ✓ IP67 waterproof case
- ✓ Boasts 2 x Amphenol MIL spec output connections
- ✓ Supplied with a charger and a bare ends Amphenol lead
- ✓ Runs from a full battery for 5 hours

Key Applications

- ✓ For charging Monitex Noise Monitors



Monitex Power Pack

Battery type	Lithium Iron Phosphate (LiFePO4)
Nominal Voltage	12V
Capacity	40Ah
Charge Time	3 – 5 Hours (Ultra Fast Charger) 5 – 7 Hours (Fast Charger)
Watt-Hours (Wh)	480Wh
Maximum Continuous Discharge	30A
Max Peak Current (for 10mS)	60A
Discharge Cut-off Voltage	8V
Charging Voltage	14V
Temperature Range (Charging)	0°C – 40°C
Temperature Range (In Use)	-10°C – 60°C
Case Dimensions w x h x d	249mm x 300mm x 119mm
Weight	6kg





Option 3 - Monitex Power Pack - For Monitex Dust Monitors and Monitex Noise Monitors

This Power Pack is designed to be used with RVT's Monitex Dust Monitors and Monitex Noise Monitors to ensure that there are no breaks in your data collection. In all types of weather conditions, this powerful and robust power pack will keep your dust monitoring on track.

Battery Pack

This Power Pack Kit is supplied in an IP67 rated robust carry case with an illuminated button controlled digital battery meter. It is a lightweight portable power solution weighing only 12kg.

Power Output

Supplied as a kit with a charger and bare ends lead, this carry case kit boast multiple outputs as listed below:

- PL2F / CH2F Socket (20A Rated)
- Terminal Posts (20A Rated)
- 12V Socket (10A Rated)
- USB Sockets x2 (2.1A & 1A Rated)

Features & Benefits

- ✓ IP67 waterproof case
- ✓ Easy to carry weighing only 12kg
- ✓ Perfect for remote dust and noise monitoring applications

Key Applications

- ✓ For charging Monitex Dust Monitors and Noise Monitors



Monitex Power Pack	
Battery type	Lithium-Ion (Li-Ion)
Nominal Voltage	12V
Capacity	150Ah
Charge Time	20 Hours
Watt-Hours (Wh)	1800Wh
Maximum Continuous Discharge	20A
Max Peak Current (for 10mS)	50A
Discharge Cut-off Voltage	8.25V
Charging Voltage	12.6V
Temperature Range (Charging)	0°C – 45°C
Temperature Range (In Use)	-10°C – 60°C
Case Dimensions w x h x d	440mm x 350-410mm x 160mm
Weight	12kg

