

PRODUCT SHEET

Product: TEMS™ Automatic – Uninterrupted Power Supply (UPS) for RTUs



UPS mounted under two RTUs.

UNINTERRUPTED POWER SUPPLY FOR RTUs



Our recently introduced UPS (Uninterrupted Power Supply) is a durable, lightweight device that ensures a reliably continuous flow of power to RTU base units. The UPS is an invaluable accessory in installations where there is not a fixed direct connection between the RTU and the test vehicle's battery. Combining a smart battery and a charger, the device provides current for a full hour after the vehicle's engine has been switched off, preventing inconvenient RTU shutdowns that result in loss of testing data.

Typical scenarios for use of the UPS involve temporarily installed RTUs, where power is supplied via a lighter socket rather than the vehicle battery. This is especially critical for RTUs installed in vehicles such as delivery vans where engines are frequently switched off. In such an instance, the RTU soon shuts down and ceases to collect data, resuming service only after the vehicle is restarted. With the UPS, the RTU continues its automated data collection activities for an hour after the engine is switched off. The vehicle's engine charges the UPS, ensuring constant operation.

With its small size and easily assembled mounting kit, the UPS is a compact add-on component in a stacked or single-unit RTU installation.

UPS features include:

- When fully charged, one-hour backup time for up to two RTU units
- Operating temperature: 0° C (32° F) to 45° C (113° F) when charging
- Input voltage range: 10.0 to 36.0 V DC
- Output voltage: 12 V
- Power consumption: Charge current 3 A at 12 V DC (RTU operating current additional)
- Weight: 1.75 kg (3.86 lb)
- Dimensions: 238 mm wide x 150 mm long x 25 mm high
- CE and FCC-compliant

A mounting kit allows the UPS to be attached to the RTU assembly and mounted on the vehicle. It includes all necessary hardware as well as a 12 V lighter-socket cable.