SPECTO TECHNOLOGY
A WORLD OF SOLUTIONS

DATA SHEET



Loadsensing Gateway Solar Kit (Standard)

SOL-KIT-GW-100

This turnkey solar power kit is sized for geographical areas with high solar exposure. This advanced gateway solar kit is perfect for managing on-premises power supply in challenging environments for construction and infrastructure projects. Waterproof connectors ensure reliable connectivity. The gateway's easy installation and faster processor enhance data collection and monitoring capabilities. Utilizing high-efficiency components, advanced technology to allow reliable operation and easy troubleshooting, and a best-in-class lightweight, heavy-duty LiFePO4 battery, with the design to be mounted on the ground.



FEATURES

- Easy install mounting kit
- Fiberglass battery enclosure, back panel
- Ground Mount/Pole Mount kit for solar panels
- On-site battery capacity, voltage input/output monitoring
- Pad-lockable latch
- High capacity/quality MPPT Solar charge controller 20Amp (Bluetooth enabled)
- Circuit breakers
- Assembly & Testing
- Deep cycle LiFePO4 battery, 12V, 50Ah, with heater

BENEFITS

- Quick setup time due to plug-and-play configuration
- Compatible with most data acquisition systems
- Ideal for long-term, outdoor monitoring projects
- Bluetooth app allows detailed system monitoring of the charge controller
- Weatherproof & dustproof

TECHNICAL SPECIFICATIONS

Enclosure Size:	15.5" x 13.5" x 7.7"
Enclosure Material:	Fiberglass
System Weight:	25lbs (without battery), 39lbs (enclosure & 1 x LiFePO4 batteries)
Charge Controller:	MPPT 10Amp, 75V, Bluetooth enabled
POE Regulated Power Output:	28W, 48V Passive
Circuit Breakers:	15Amp
Solar Panel:	100W, 12V, Monocrystalline
Panel Mount:	Fits 2" pole or vertical surface (Customers are responsible for providing the necessary mounting hardware when using a Non-Specto mounting location.)
Battery Capacity:	Recommended 1 x 52Ah, 12V LiFePO4
Extension Cable:	10ft Extension Cable for Solar Panels