

User Manual - Growatt Ultra 14kW

User Manual - Growatt Ultra 14kW Off-Grid Power Station

This manual outlines the installation, operation, and safety procedures for the Growatt Ultra 14kW Off-Grid Power Station.

System Components

The system includes 4x Growatt SPF3500T inverters, 4x Growatt AXE 5.0L-C1 batteries, and 32x 440W solar panels.

Installation Guidelines

1. Mount solar panels securely on rooftop or ground racks.
2. Wire solar panels in strings and connect to DC breakers.
3. Install the inverters indoors, ensure ventilation.
4. Connect the inverters in parallel using provided communication cables.
5. Stack and connect AXE5.0L-C1 batteries.
6. Connect all breakers and ensure grounding.
7. Power up system sequentially: batteries > inverters > loads.

WiFi Monitoring Setup

Use the included SHINE Wi-Fi module to connect the system to the Growatt monitoring platform. Configure via the ShinePhone mobile app or web portal.

Safety Instructions

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- Do not short circuit terminals.
- Ensure all wiring is properly rated and protected.
- Keep batteries in dry, cool areas.
- Monitor inverter LCD for system health.
- Use breakers to isolate faults.