REUTECH
AUSTRALIA

Eco PSU

Intelligent hybrid power for continuous monitoring



One power platform. Every radar, every site, every condition.

Mining operations need more than reliable radar performance. They need dependable, efficient power that keeps monitoring running continuously, simplifies fleet management, and strengthens long-term operational efficiency across sites.

The Eco PSU is Reutech Mining's unified power platform, engineered to support all three slope stability radar technologies in the portfolio: MSR Modular (RAR), MSR Halo™ (SAR) and MSR Esprit (MIMO). By standardising power infrastructure across every radar deployment, it combines hybrid energy flexibility, remote access and rapid field deployment in a single platform engineered for Safety, Productivity and Reliability.

One platform for the entire radar portfolio

A single, standardised power architecture supports consistent deployment across RAR, SAR and MIMO systems. Field and maintenance teams work from one common platform, reducing training requirements, lowering spare-parts complexity, and streamlining servicing and fault identification. The result is faster redeployment between monitoring applications, stronger procurement alignment, and less downtime caused by system variation across regions and sites.



Hybrid energy for continuous uptime

The Eco PSU is built to maintain reliable operation in remote, infrastructure-constrained mining environments. It draws intelligently from solar, optional wind and lithium battery storage before switching to an integrated EPA 5 compliant generator, minimising engine runtime without ever compromising power delivery. On a full fuel tank with an average of five hours of sunlight per day, it operates continuously for up to six months; up to ten days without sun; and up to 90 days on renewable energy alone.

Built for the field

Engineered for rapid deployment and intuitive operation, the Eco PSU is trailer-mounted for fast relocation and fitted with a 3 m mast for communications. Remote access via mobile phone, stable power delivery for radar and communications systems, and a low-maintenance component architecture combine to deliver predictable field performance with minimal intervention — from high-altitude open-pit operations to cold-climate tailings monitoring, on every continent and in every condition.

Technical specifications

- **Compatibility**
  MSR Modular, MSR Halo™ and MSR Esprit
- **Supply Output**
  24 V / 300 W supply output
- **Solar**
  3 × 435 W panels
- **Battery Bank**
  15 kWh lithium
- **Deployment**
  Trailer-mounted
- **Generator**
  EPA 5 compliant, integrated
- **External Charging**
  110 / 220 V AC input
- **Wind Input**
  Optional wind turbine support
- **Mast**
  3 m, for communications
- **Remote Access**
  Via mobile phone

Reutech reserves the right to amend the characteristics of its products at any time.