

RDU-S 30m PRODUCT DATASHEET



The RDU-S Skid 30m is a rapidly deployable unit designed to provide an autonomous power supply for communication systems in remote locations.

Standalone Power Supply

The unit operates independently, enabling off-grid deployment.

Robust Mounting and Signal Coverage

The RDU-S has a 30-meter guy wire mast for reliable equipment mounting and optimal signal coverage.

Remote Monitoring

Remote monitoring capabilities provide real-time tracking and alerts for proactive maintenance.

Temperature Management

An integrated DC air conditioning system maintains battery temperature for extended lifespan and performance.

Environmental Protection

Sealed access doors protect components, with optional pressurisation to prevent dust ingress.

Additional Features

- Advanced security and fire system available.
- Solar panels on pivoting arms with gas struts.
- Diesel generator integration for continuous power.
- Reinforced concrete ballast blocks with outriggers.
- Sealed access doors protect components, with optional pressurisation to prevent dust ingress.

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| Feature | Description |
|---|---|
| RDU-S 30m Specifications (typical) | |
| Dimensions (Skid Shelter) | H:3400mm W:3950 L:6950mm H:3100mm W:2900mm L:4050mm |
| Weight | Transport: 17,000kg approx. Deployed: 24,000kg approx. (include ballasts) |
| Wall Construction Material | Coolroom panel or HDG steel framed wall clad with Lysaght Panelrib®XRW |
| External & Internal Finish | Surfmist |
| Flooring | Solid concrete with Class R9 minimum, heavy duty Vinyl floor covering (AS 4586) |
| Roof | Skillion type with Colorbond® flashing and rain canopy |
| Air Conditioning | 48VDC split system air-con |
| Access Door | 1x personal access entry door with stainless steel door hardware |
| Communication Rack | 2x 42RU 600x800mm Rittal TS-IT cabinet |
| Battery Rack | 2x 42RU 600x800mm Rittal TS-IT cabinet |
| Installed Solar Array Angle | 18 x 450W bifacial modules Fixed (20-45 degrees) |
| Solar Regulator | 2x Victron MPPT 250/70 |
| Battery Equipment Voltage | 51.2V DC 12V, 24V, 48V (regulated) |
| Battery Capacity | Up to 32 x 78Ah Lithium Ferro Phosphate (LiFeP04) |
| Battery Autonomy | Typically, 3-5 days depending on average load |
| Battery Design Life | 10 years |
| Remote Communication | Victron VRM |
| Fire Detection & Protection | Basic: 2x Photo-optical detectors integrated with Victron Cerbo GX Advanced: Notifier AFP-3030 or FS-1600 Fire suppression available on request |
| Standards Compliance | AS3084, AS3000, AS3008, AS3015, AS1170, AS3600, AS4100, AS/CA S009 |

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