RDU-S 10m PRODUCT DATASHEET

The RDU-S 10m is a rapidly deployable unit designed to provide an autonomous power supply for communication systems in remote locations.

Standalone Power Supply

The RDU-S operates independently, enabling off-grid deployment.

Robust Mounting and Signal Coverage

The unit has a 10-meter freestanding 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.

Additional Features

- Advanced security and fire system available.

- Solar panels on pivoting arms with gas struts.

- Quick Diesel generator integration for continuous power.

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

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Feature	Description
RDU-S 10m Specifications (typical)	
Dimensions (Skid | Shelter)	H:3400mm W:3150mm L:6550mm | H:2800mm W:3050mm L:3150mm
Weight	17,000kg approx.
Wall Construction Material	Coolroom panel or HDG steel framed wall cladded with Lysaght Panelrib®XRW
External & Internal Finish	Colorbond® "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	1x 42RU 600x800mm Rittal TS-IT cabinet
Battery Rack	1x 42RU 600x800mm Rittal TS-IT cabinet
Installed Solar Array | Angle	8 x 540W bifacial modules | Fixed (20-45 degrees)
Solar Regulator	Victron MPPT 250/85
Battery | Equipment Voltage	51.2V DC | 12V, 24V, 48V
Battery Capacity	Up to 16 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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