

Remote Deployment Unit RDU-S6

The RDU-S6 is a rapidly deployable skid solution that includes a communication cabinet, solar battery cabinet, integrated solar panels, and a 6 m free standing mast capable of supplying autonomous power ideal for off-grid remote locations.

The compact sealed communication cabinet contains power supplies, din rails and terminal rails to host industrial electrical and field communications equipment. The battery cabinet allows the skid to operate independently and off-grid in remote locations.

The RDU-S6 also includes a 6 m free-standing mast, ensuring reliable outdoor equipment mounting and optimal signal coverage. Remote monitoring capabilities enable real-time tracking and alerts, for proactive maintenance and system oversight.

The unit also allows for diesel generator integration to provide continuous power, no matter the weather, and is designed for harsh environments, with sealed cabinet doors to protect critical industrial components.



FEATURES

- ✓ The integrated 2.3 m x 1.8 m skid includes two sealed industrial cabinets, two solar panels and a 6 m free standing mast.
- ✓ Two sealed industrial cabinets to house the electrical/communications equipment and the three solar batteries.
- ✓ Solar panels mounted on folding arms, allowing a tilt range of 15–45 degrees.
- ✓ Diesel generator integration for continuous power.
- ✓ Effortless setup and compact folding design for convenient transportation.

Technical specifications

FEATURE	DESCRIPTION
Dimensions	H:3400 mm W:2300 mm L:1800 mm
Weight	1,900 kg approx.
Installed solar array	2 x 580 W monofacial modules
Solar array angle	15–45 degrees
Smart solar charger	Victron MPPT 150/35
Battery charger	Victron Titan 48 V/25 A
Battery voltage	51.2 V DC
Equipment voltage	12 V, 24 V, 48 V
Battery capacity	Up to 3 x 74.2 Ah 51.2 VDC Lithium Ferro Phosphate (LiFePO4)
Battery autonomy	Typically, 3–5 days depending on average load
Battery design life	10 years
Remote communication	Victron VRM
Compliance standards	AS3000, AS3008, AS3015, AS1170, AS3600, AS4100

About us

ART designs, manufactures, installs, and maintains turnkey infrastructure solutions for wind resource assessments, as well as for the broader renewables, resources and communications industries.

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