



SAAB



RPDU8

Rugged Power Distribution Unit, 8 ports

Ensure uncompromised power for your tactical systems with our fully ruggedized 24V DC Power Distribution Unit with 8 outputs. A fully ruggedized power solution designed for seamless vehicle integration in a compact half 19" rack, 2U form factor - making it an ideal choice for space-constrained installations where performance and reliability are critical.

Developed to support add-on electronics and system upgrades in existing vehicle platforms, the unit provides up to 60A at 28VDC, distributed across 8 independently configurable outputs. This flexibility allows precise current management to match a wide range of subsystem requirements.

Fully compliant with MIL-STD-1275, the solution is engineered to withstand the harsh electrical environments found in military vehicles. It effectively protects connected equipment from voltage spikes, surges, and transients, ensuring stable and secure operation of downstream systems even under demanding conditions.

Core features:

- 28VDC according to MIL-STD-1275E
- 60A total output
- 8 power outputs:
 - 4x10A@28VDC (configurable)
 - 4x5A@28VDC (fixed)
- Half 19" rack mount, 2U
- Operating temperature: -40°C to +60°C



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ROBUST POWER SUPPLY

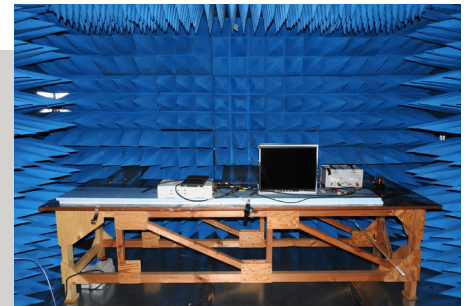
Ensure uncompromised power for your tactical systems with our fully ruggedized 24V DC Power Distribution Unit.

Specifically developed for the seamless integration of add-on capabilities—such as C-UAS (Counter-UAS) and advanced sensor suites—this PDU provides the reliable electrical foundation required for modern vehicular missions.

RELIABLE OPERATIONS

Our ruggedized product portfolio includes the most reliable solutions for your critical applications. Built to comply with MIL-STD-461 and MIL-STD-810 and beyond meanwhile delivering full performance.

Fully ITAR-free and built with our own IP and in-house production, we ensure total control over quality, innovation, and supply—today and tomorrow.



FLEXIBLE SOLUTIONS

Over the years we have developed a design concept that opens up for adaptations to meet our customers exact needs in terms of connector type or specific pinout, additional interfaces or outer casing surface treatment with a minimum of effort from our side.

Contact us to discuss your dedicated needs.

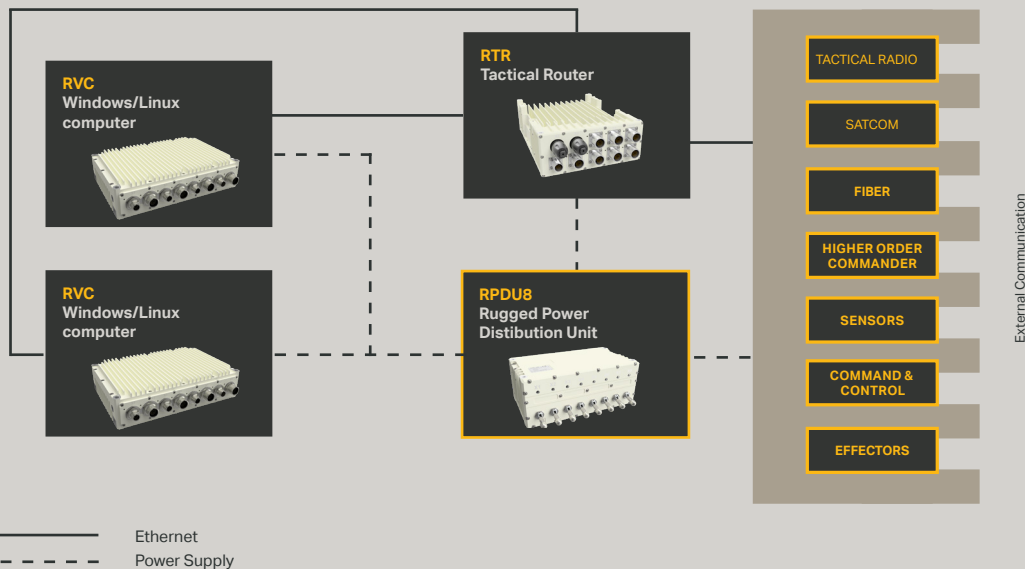
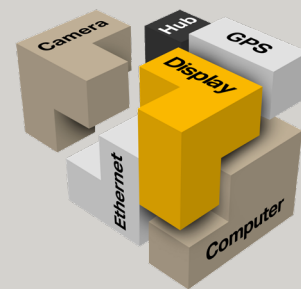
RPDU4 Dimensions

Height: 88 mm
Width: 220 mm
Depth: 120 mm (excl. connectors)
Weight: 2.0 kg (approx)

RPDU4 - Rear view



Saab Tactical Electronics portfolio offers building blocks according to open standards to create your dedicated system.



Specifications – Rugged Power Distribution Unit, 8 ports

Power in: 18 - 32 VDC (Nominal: 28 VDC) max 60A	Operating temperature: -40°C to +60°C
Reverse voltage protection	Storage temperature: -46°C to +71°C
Filtered Output	Sealed housing, IP65
Switches for manual operation of outputs (On/Off)	Comply to MIL-STD-810 and MIL-STD-461
Configurable fuse value through management lid: X1-X4 up to 10A@28VDC	MIL-C-38999 series III connector, Electroless Nickel
Fixed current values: X5-X8 fixed to 5A@28VDC	Optional: Remote operation over Ethernet
See also our 4 port version RPDU4	

Specifications subject to change without notice.
Company confidentiality: Company unclassified
Defence secrecy: Not classified

Saab Tactical Electronics AB, SE-581 82, Linköping, Sweden
info.ste@saabgroup.com | www.saab.com/ste



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