

Lars Thrane LT-2500 AC/DC Power Supply Fact Sheet

Product Overview

The LT-2500 AC/DC Power Supply from Lars Thrane A/S is a rugged, maritime-certified power unit delivering 500W output at 28VDC. Designed for seamless and reliable power delivery in marine environments, the LT-2500 supports both AC (85-265 VAC) and DC (24 VDC) inputs, ensuring operational continuity, even in the event of AC failure.

Technical Specifications

Feature	Specification
Output Power	500W @ 28 VDC (up to 18A)
AC Input Voltage	85-265 VAC
DC Input Voltage	24 VDC (battery backup)
Output Voltage	28 VDC
Interfaces	AC input, DC input, 2 x DC output, alarm output
Status Indicators	AC input, DC input (LEDs)
AC Control	Manual on/off button
Protections	Short circuit, overload, thermal, fuse
Alarm Output	Discreet signal for AC source failure
Cooling	No forced cooling required
Mounting	4-point mount with included hardware
Certification	CE marked, IEC 60945, DNV approved
Operating Temperature	-25°C to +55°C (-13°F to +131°F)
Dimensions (LxWxH)	270.0 x 291.9 x 62.0 mm
Weight	4.0kg (8.82lbs)



Key Features

- **Dual Power Input:** Accepts both AC and DC inputs for redundancy
- **Seamless Handover:** Automatic switching ensures no power loss
- **No Fan Needed:** Passive cooling design reduces maintenance
- **Compact Design:** Space-saving and easy to mount
- **Comprehensive Protection:** Built-in safety features for dependable operations
- **LED Indicators:** At-a-glance power status visibility
- **DNV & IEC Certified:** Approved for use in maritime applications
- **Discreet Alarm Output:** Enables integration into monitoring systems

AST Networks as a Partner

- We are one of the first partners globally to have access to this unit
- Ideal for customers upgrading or replacing aging power systems
- Compatible with both new builds and retrofits
- A strong value-add for vessels needing fail-safe power in rough conditions

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Customer Benefits

Uninterrupted Power for Critical Systems

Seamless switching between AC and DC ensures essential systems (GMDSS, navigation, radios etc.) remain powered on, no manual intervention required.

Built for Harsh Maritime Conditions

With IEC 60945 and DNV certification, the LT-2500 is engineered for high vibration, salt air, and extreme temperatures.

Maintenance-Free Operation

No forced cooling means no moving parts - less risk of failure, quieter operation, and lower maintenance overheads.

Fast and Simple Installation

Mounts easily with standard tools. Large cable terminals support the wiring typically used on vessels, making integration into existing systems straightforward.

Compact and Lightweight

At just 4.0kg and under 63mm tall, the LT-2500 saves valuable space onboard power cabinets or bridge stations.

Peace of Mind with Built-in Safety

Short circuit, overload, thermal protection, and fuse systems help prevent damage and ensure long-term reliability.

Interested in More Information?

To learn more about the Lars Thrane LT-2500 AC/DC Power Supply, or to arrange a demonstration, please contact your AST Networks Account Manager. Whether you or your customer are looking to upgrade existing infrastructure, or ensure compliance with maritime safety standards, our team can provide the right guidance and product support.



Contact us Today

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