

**SY1527LC - Low Cost Universal Multichannel Power Supply System****New****Highlights**

- Houses up to 16 boards, HV/LV or branch controllers
- Excellent price-to-quality ratio
- Ad-hoc boards and peripheral systems
- Communications via RS232 and TCP/IP
- OPC Server to ease integration in DCS
- Programmable handling of parameters and errors
- Fast, accurate setting and monitoring of channel parameters
- Multilevel management of user profiles
- Live insertion of boards
- Advanced trip handling
- Hardware current protection
- Modular and expandable power supply
- Secure access to the system via Intranet
- Remote debugging and technical support
- Easy firmware upgrading

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**Overview**

The SY1527LC system is the "low cost" version of the CAEN fully equipped experiment power supply system SY1527.

This system allows the housing, in the same mainframe, of a wide range of boards with different functions such as the mixing of High/Low Voltage boards, and branch controllers. These last ones are used to control other remote units like generators and distributors. Modularity, flexibility and reliability are the key-points of its design, enabling this module to meet the requirements needed in a wide range of experimental conditions.

The mainframe is housed in a 19"-wide, 8U-high euro-mechanics rack and hosts four main sections:

- the Board Section, with 16 slots to house boards, distributors and branch controllers;
- the Fan Tray Section, housing 6 fans arranged on two rows;
- the Power Supply Section, which consists of the primary power supply and up to 3 additional power supply units;
- the CPU and Front Panel Section which includes all interface facilities.

The User Software Interface features the usual friendliness of the previous CAEN systems. A wide choice of interface facilities provides full communication compatibility with the previous systems and the feasibility of controlling heterogeneous external devices.

Technical Specifications Table	
<b>Packaging</b>	19"-wide, 8U-high Euro-mechanics rack; Depth: 720 mm.
<b>Weight</b>	Mainframe (*): 24 kg Mod. A1532: 3.2 kg
<b>Power requirements</b>	Voltage range: 100/230 V Frequency: 50/60 Hz Power: 3400 W
<b>Max. number of boards per crate</b>	16
<b>Max. number of power supply units per crate</b>	3
<b>Primary power supply output (Mod. A 1531)</b>	$\pm 12$ V, 8 A +5 V, 20 A
<b>Power supply unit output (Mod. A 1532)</b>	+48 V, 15.6 A
<b>Max. output power</b>	2250 W
<b>Operating temperature</b>	From 0°C (dry atmosphere) to +40°C
<b>Storage temperature</b>	From -20°C (dry atmosphere) to +50°C

Ordering Options	
Code	Description
<b>WSY1527L1529</b>	SY1527LC - Low Cost Universal Multichannel Power Supply System