

**CAEN**  
*Tools for Discovery*



**Electronic Instrumentation**

**NEW PRODUCTS SELECTION 2023**

# **Power Supplies**

# **NEWS**



We are proud of the high quality of our products.

## ISO 9001

ISO 9001:2015 approved quality system ensures all our internal processes.

From R&D to the registration of the incoming purchase orders, through:

- Resource Planning
- Scheduling
- Production

Our quality system is responsible for the proper functioning of all our internal processes and is subject to regularly audits, carried out by the National Standards Authority.

From the initial product design and its development stages, till the delivery of the production batches, we follow documented procedures that cover every aspect of our business.

The quality of CAEN S.p.A. products is constantly monitored by the application of the UNI EN ISO 9001:2015 standard. CAEN S.p.A. is ISO 9001 certified since 1998.

ISO9001:2015  
certified Company



Authorised  
research laboratory  
of the MIUR



**CAEN SpA** is a worldwide leading company provider of a comprehensive range of high/low voltage power systems and data acquisition/front-end modules compliant with IEEE standards for nuclear and particle physics.

Extensive research and development capabilities allowed **CAEN SpA** to play an important long-term role in this field. Thanks to years of close collaborations with the most important Research Centres of the world, CAEN strikes to deliver innovative products and services worldwide.

CAEN portfolio includes over a thousand products and solutions for nuclear measurements, whose quality is monitored throughout the entire production cycle and guaranteed by UNI EN ISO 9001:2015 standard. Its products appeal to a wide range of customers including engineers, scientists and technical professionals who all trust them to achieve their goals quickly and effectively.

Thanks to plenty of experience in physics research, CAEN instruments are now used in several advanced industrial applications.

## ► Products

- Modular Pulse Processing Electronics
- Waveform Digitizers
- Digital Spectroscopy
- Electronics for SiPM
- Power Supplies
- Digital Detector Emulators
- Educational Kits

## ► Applications

- High Energy Physics
- Astrophysics
- Neutrino Physics
- Dark Matter Investigation
- Nuclear Physics
- Material Science
- Medical Imaging Applications
- Homeland Security
- Industrial Applications

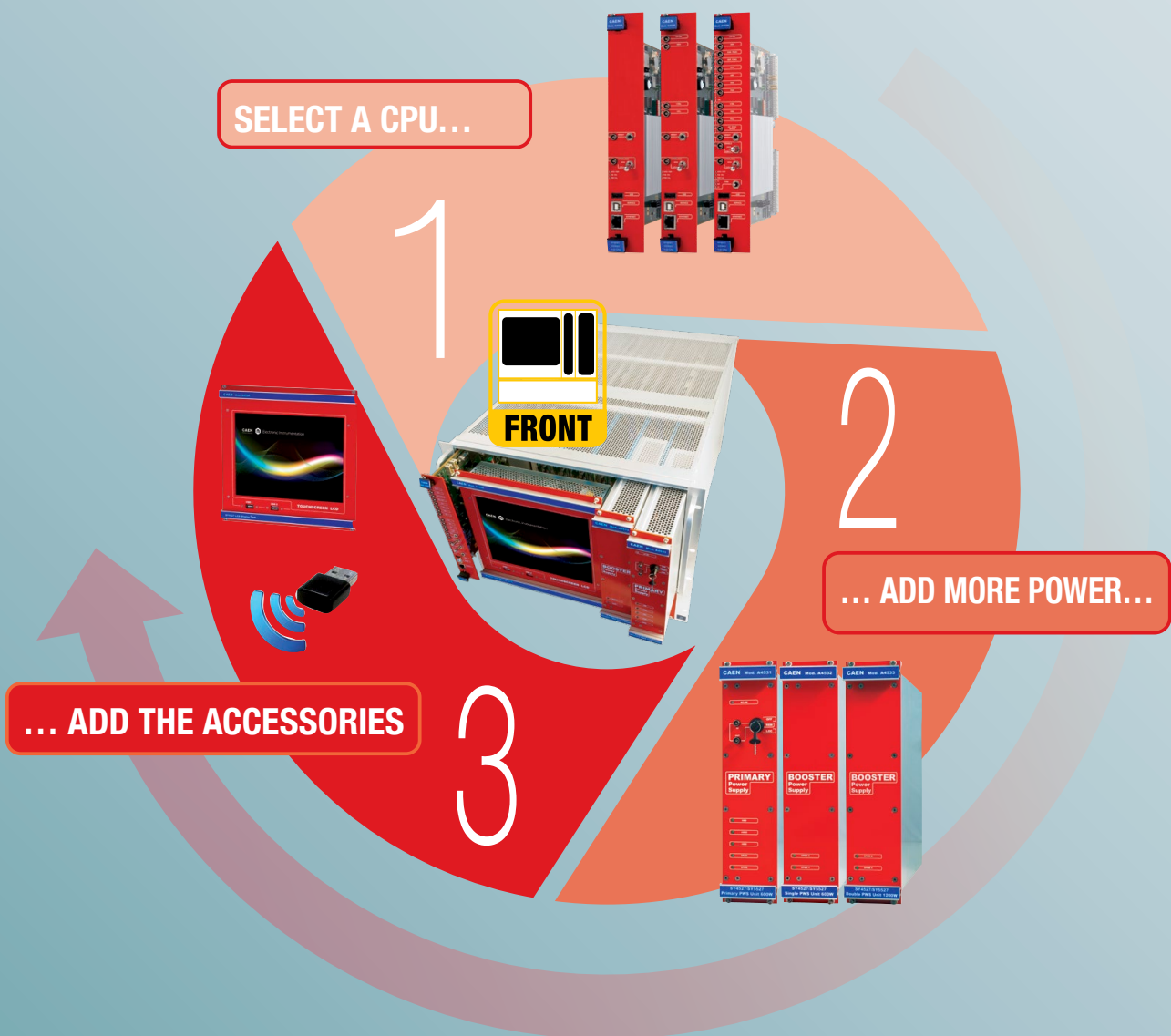


# CAEN Universal Multichannel System

## 19" RACK MODULAR MAINFRAMES



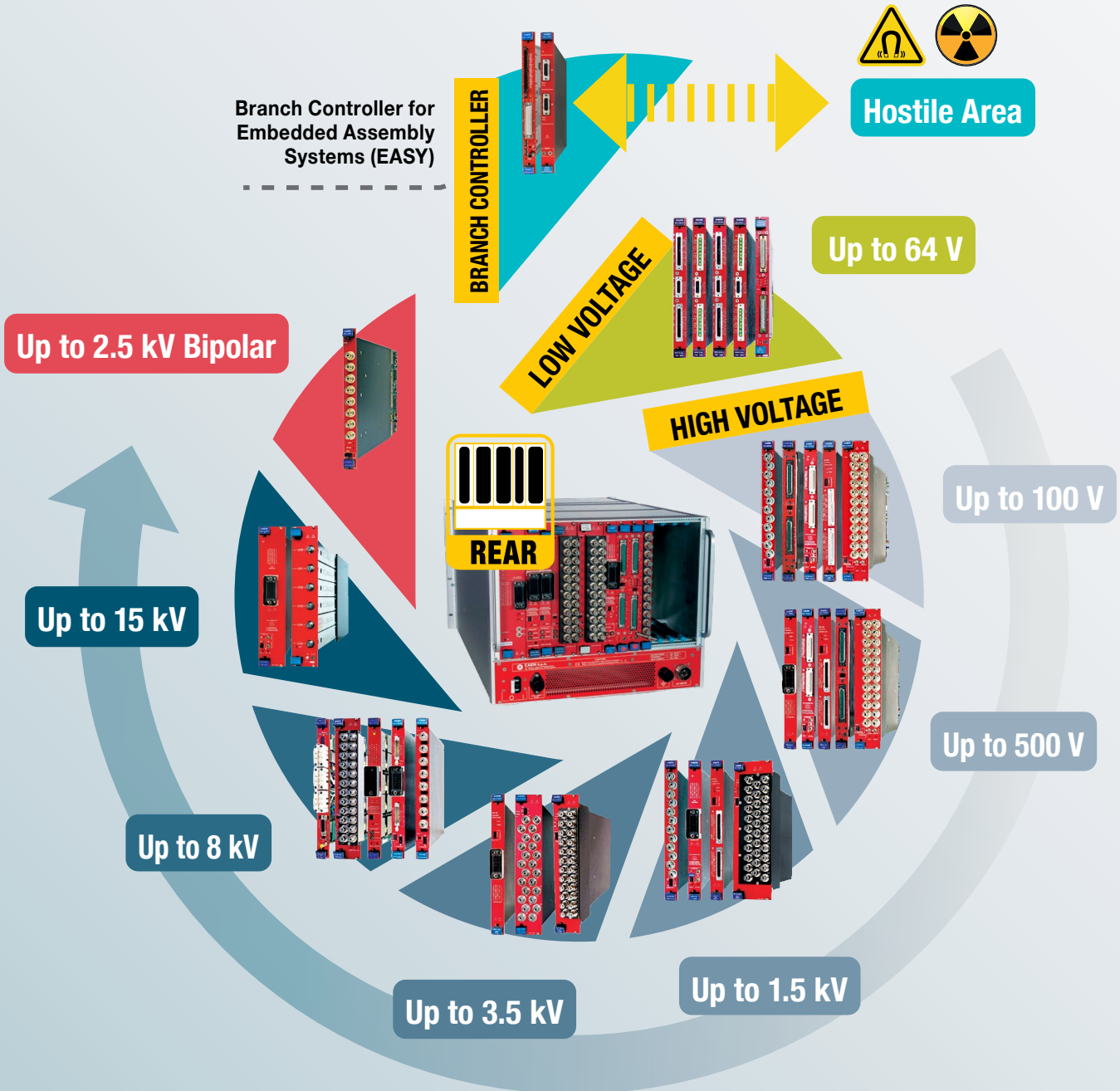
Reliability, Modularity, Compatibility, Connectivity and User-Friendly: these are the concepts upon which the CAEN SYx527 and SYx527LC Mainframe Systems are developed. Our mainframe systems are specifically designed to provide ideal V/I output and monitoring for any detector technology employed in Modern Physics. Whether you are using SiPM or RCP, Wire Chambers or PMT, HPGGe or GEM, our mainframes systems cover your needs.



Manage, set, and monitor all System parameters and HV/LV channels thanks to the **GECO graphical control software**



**PROVIDE HV BIAS, SUPPORT LV BOARDS FROM FRONT-END AND PERIPHERAL ELECTRONICS, HOUSE GENERIC I/O BOARDS ALL AT THE SAME TIME!  
UP TO 16 SLOT AND 768 CH PER CRATE**



## R6060

19" rack stand-alone solution branch controller for EASY remote crates, with the same functionalities of the A1676A board, but without the need of a Mainframe

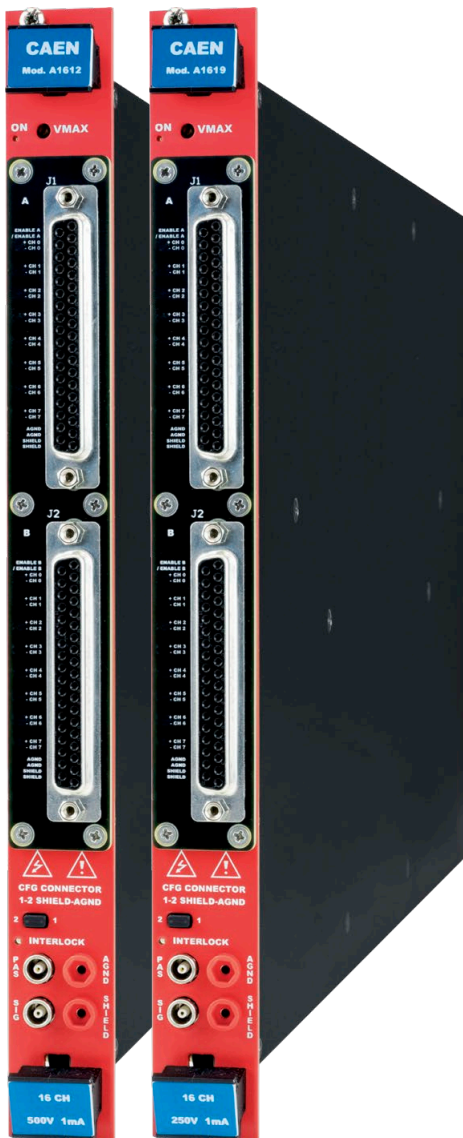


(see p. 16)

COMING  
SOON**A161X FAMILY - INDIVIDUAL FULL FLOATING CHANNEL DUAL RANGE BOARDS**A1612 UP TO 500 V / 1 mA - 100 $\mu$ A 16 CH - SYx527 MAINFRAMESA1619 UP TO 250 V / 1 mA - 100 $\mu$ A 16 CH - SYx527 MAINFRAMES

Up to 500 V

The new generation of CAEN HV individual full floating power supplies, particularly suitable for silicon detectors



The A161x power supply boards family includes single width (5TE) boards housing 16 individual floating channels, available with either 250 V / 0.1-1 mA (A1619) or 500 V / 0.1-1 mA (A1612) output, delivered through DB connectors.

The voltage ramp rates may be set independently for each channel.

The individual floating channels allow on-detector grounding, that reduces the noise level.

A global enable/disable connector allows to disable the channels.

Features include both current and voltage protections. If overcurrent occurs, the relevant channel is signalled to be in “overcurrent” and can be programmed either to turn off after a programmable trip time or to remain on and to provide the maximum allowed current; such feature allows the module to perform as a current generator.

The maximum output voltage ( $V_{MAX}$ ) can be set, via front panel potentiometer, at the same common value for all the board channels. The  $V_{MAX}$  value can be read out via software.

**Features**

- 16 independently controllable individual full floating channels
- 250-500 V maximum output voltage
- Dual range current:

**A1612 / A1619**

- High Power: 1 mA (1 nA Current monitor resolution)
- High Resolution: 0.1 mA (100 pA Current monitor resolution)

- 1 mV voltage monitor resolution
- Programmable voltage ramp up / down rates
- Typical voltage ripple:

**A1612**

- smaller than 5 mVpp (1 kHz ÷ 20 MHz)

**A1619**

- smaller than 3 mVpp (1 kHz ÷ 20 MHz)

- Overcurrent programmable protections
- Programmable TRIP parameter
- Current generator operation in overcurrent condition
- Configurable maximum output voltage via front panel potentiometer (common value for all board channels)



A1612



A1619



# A162X FAMILY - INDIVIDUAL FLOATING CHANNEL DUAL RANGE BOARDS

A1625 UP TO 1 kV / 20-2 mA 8 CH - SYx527 MAINFRAMES

A1626 UP TO 1 kV / 10-1 mA 16 CH - SYx527 MAINFRAMES

COMING  
SOON

New and powerful HV individual floating power supplies, particularly suitable for high fluence silicon detectors

Up to 1 kV

The new and powerful HV individual floating power supplies; two single width (5TE) boards are available: A1625 and A1626, with 8 and 16 individual floating channels respectively (1 kV / 2-20 mA and 1 kV / 1-10 mA), delivered through DB connectors.

The voltage ramp rates may be set independently for each channel.

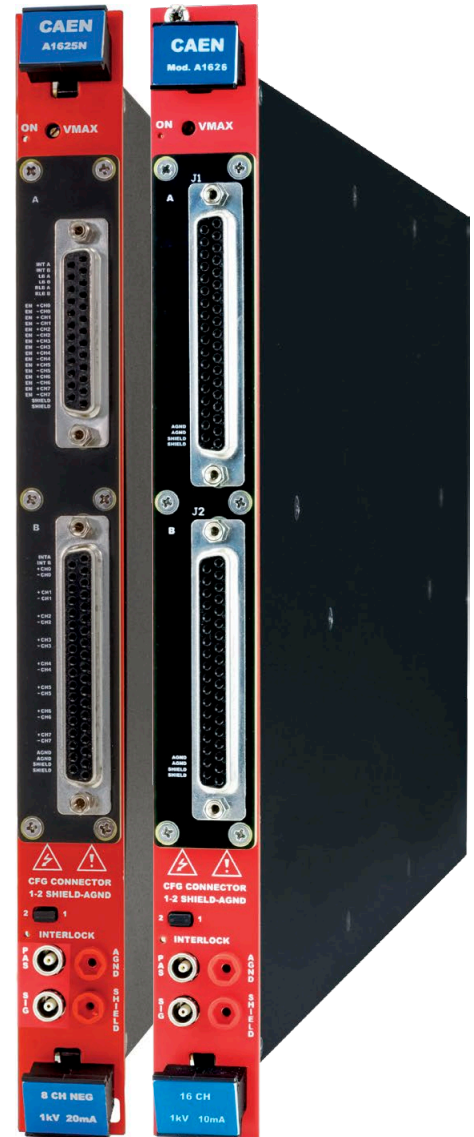
The individual floating channels allow on-detector grounding, that reduces the noise level. The channels have independent, but polarized, ground: the hot pole can assume values from 0 to 1000 V, positive or negative, with respect to earth, the cold pole is insulated up to 50 V, still with respect to earth.

If overcurrent occurs, channels can turn off after a programmable trip time, or remain on, and provide the maximum allowed current (current generator mode).

The maximum output voltage ( $V_{MAX}$ ) can be set, via front panel potentiometer, at the same common value for all the board channels. The  $V_{MAX}$  value can be read out via software.

## Features

- 8-16 independently controllable full floating channels
- 1 kV maximum output voltage
- Dual range current:
  - A1625**
    - High Power: 20 mA (100 nA Current monitor resolution)
    - High Resolution: 2 mA (10 nA Current monitor resolution)
  - A1626**
    - High Power: 10 mA (50 nA Current monitor resolution)
    - High Resolution: 1 mA (5 nA Current monitor resolution)
- Available with positive, negative or mixed polarity
- DB37 connector
- Programmable voltage ramp up / down rates
- Typical voltage ripple smaller than 10 mVpp (1 kHz ÷ 20 MHz)
- Overcurrent programmable protections
- Programmable TRIP parameter
- Current generator operation in overcurrent condition
- Configurable maximum output voltage via front panel potentiometer (common value for all board channels)



A1625



A1626





## A1632H - INDIVIDUAL FLOATING CHANNEL DUAL RANGE BOARD

6 kV / 100-20  $\mu$ A 8 CH - SYx527 MAINFRAMES

Up to 6 kV

High resolution 6 kV power supply board, particularly suitable for resistive plate chambers



The new high resolution HV individual floating power supply board: single width (5TE) board, with 8 individual floating channels (6 kV / 100-20  $\mu$ A), delivered through SHV connectors.

The voltage ramp rates may be set independently for each channel.

The individual floating channels allow on-detector grounding, that reduces the noise level. The channels have independent, but polarized, ground: the hot pole can assume values from 0 to 6000 V, positive or negative, with respect to ground, the cold pole is insulated up to 50 V, still with respect to ground.

A global enable/disable connector allows to disable the channels.

If overcurrent occurs, channels can turn off after a programmable trip time, or remain on, and provide the maximum allowed current (current generator mode).

The maximum output voltage ( $V_{MAX}$ ) can be set, via front panel potentiometer, at the same common value for all the board channels. The  $V_{MAX}$  value can be read out via software.

### Features

- 8 independently controllable individual floating channels
- Global channels enable/disable connector
- 6 kV maximum output voltage
- Dual range current:
  - High Power: 100  $\mu$ A (1 nA Current monitor resolution)
  - High Resolution: 20  $\mu$ A (50 pA Current monitor resolution)
- 1 mV voltage monitor resolution
- Available with either positive or negative polarity
- Programmable voltage ramp up / down rates
- Typical voltage ripple:
  - smaller than 3 mVpp (1 kHz  $\div$  20 MHz)
- Overcurrent programmable protections
- Programmable TRIP parameter
- SHV connectors
- Current generator operation in overcurrent condition
- Configurable maximum output voltage via front panel potentiometer (common value for all board channels)





# A255x FAMILY - INDIVIDUAL FULL FLOATING CHANNEL BOARDS

## UP TO 64 V / 12 A 8 CH - SYx527 MAINFRAMES

Individual full floating channel boards with the best noise performance, designed for front-end electronics

Up to 64 V

The power supplies A255x are a family of single width boards (5 TE wide) that house 8 independent Low voltage channels. The boards are available in different versions, equipped with D-Sub 8-pin or with DB37 connectors.

The individual floating channels are insulated from each other up to +/-500 V, and allow on-detector grounding, that reduces the noise level.

These modules provide up to 60 W output per channel, that can be also connected in parallel, with modularity 2x or 4x, to obtain even larger power.

The voltage drops over the cables can be recovered by using the featured Remote Sensing Lines, to be connected on the load.

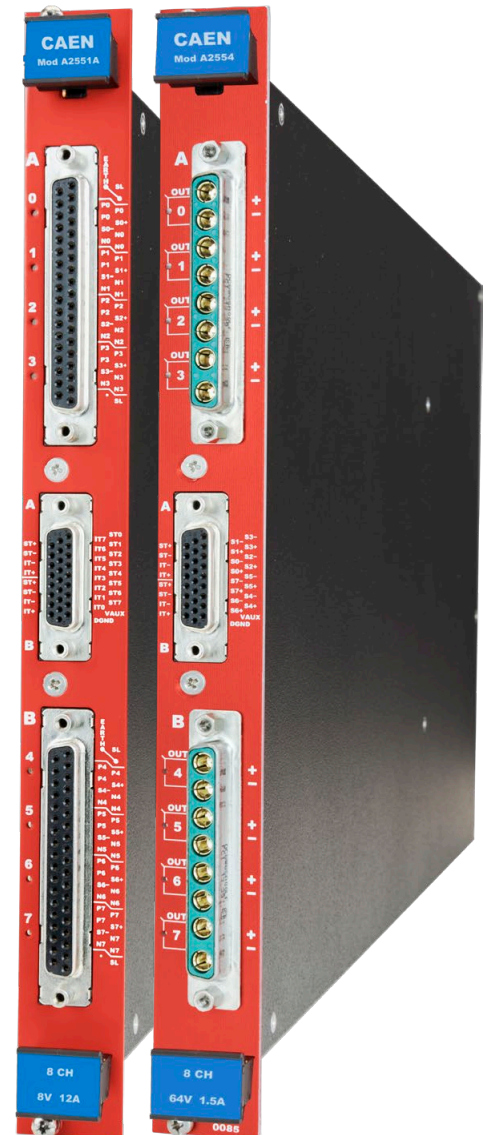
A global enable/disable connector allows to disable the channels, and it is also possible to enable them individually via front panel logic signals.

Features include both current and voltage protections. If overcurrent occurs, the relevant channel is signalled to be in "overcurrent" and can be programmed either to turn off after a programmable trip time or to remain on and to provide the maximum allowed current; such feature allows the module to perform as a current generator.

### Features

- 8 independently controllable Low Voltage channels
- Output voltage and maximum current:
  - A2551** 0÷8 V / 12 A (60 W)
  - A2552** 0÷16 V / 6 A (60 W)
  - A2553** 0÷32 V / 3 A (60 W)
  - A2554** 0÷64 V / 1.5 A (60 W)
- Individual Full Floating Channels
- DB37 or 8 pin D-Sub connectors
- Individual remote sense lines
- Typical voltage ripple smaller than 3 mVpp (1 kHz ÷ 20 MHz)
- Under/over-voltage alert, overcurrent and max. voltage protection
- Interlock logic for unit enable
- Software Tool for easy channel management
- Parallelable channels for increased current-handling capacity

COMING SOON



# R6060 - BRANCH CONTROLLER FOR AIR COOLED EASY6000/3000 SYSTEMS

48 V UP TO 200 W - 19" RACK



## Hostile Area



Building upon years of experience designing electronics for hostile areas (high radioactivity and/or strong magnetic fields), CAEN is proud to introduce the new R6060 EASY Branch Controller.

Conforming to standard 19" rack mechanics, the R6060 offers a reliable, high-performance, all-in-one solution which features fast communication speeds while eliminating the need for accessory CAEN HV Mainframes.

The R6060 functions as an interface between the detector control system and the CAEN EASY boards, and is compatible with both the new EASY6000 family of boards as well as the previous EASY3000 generation. CAEN also provides the **EASY Rack Builder**, a powerful

Maximum flexibility in a NEW 19" rack form factor:

- made for the NEW EASY6000 COMING SOON
- back compatible with the EASY3000

software tool designed to configure EASY crates via the R6060. A single R6060 can control up to six EASY6000/3000 crates, and all EASY Channels can be configured and controlled directly via the Branch Controller.

## Features

- Standalone 19" Rack mountable
- Up to 6 EASY3000 crate controlled
- 48 V, up to 200 W
- Fast communication speed



## EASY 6000/3000 Power Supplies

Air cooled System  
for Hostile Areas



## R6060 EASY 6000/3000 BRANCH CONTROLLER

Branch Controller  
for the air cooled  
Embedded Assembly  
System (EASY)





# EASY BRIC - B AND RAD TOLERANT INTERMEDIATE CONVERTER FOR THE WATER COOLED EASY BRIC SYSTEM

UP TO 12 V / 16 A 8 CH - EASY BRIC SYSTEM

The first NEW module of the water cooled EASY BRIC System



Hostile Area

The EASY BRIC System is the new CAEN low voltage power supply system conceived for powering DC-DC converter stages in hostile environments. The system is made by a water-cooled crate which can host up to four EASY BRIC modules.

The new EASY BRIC module provides eight positive 10 ÷ 12 V / 16 A channels that can be set locally via trimmer and then monitored remotely through the A1660 branch controller. The A1660 operates in safe area inserted in a CAEN SYx527 mainframe, and can manage up to two EASY BRIC crates / 64 power supply channels.

The remote control, based on the robust RS-485 communication bus, is performed with a simple command-based protocol which allows the monitoring of output voltages and currents as well as the remote ON/OFF of each channel. An INTERLOCK port is also available to shut down the device in case of any safety issue in the experimental area occurs.

The EASY BRIC system has been designed to accept 270 ÷ 300 VDC input power, allowing for a reduced voltage drop / reduced cable diameter over long input power lines in case of AC/DC sources placed in safe area.

The EASY BRIC system has been extensively tested for radiation tolerant and magnetic field tolerant operations up to:

- Ionizing Radiation (Total Dose): 200 Gy
- Displacement Damage:  $5.8 \times 10^{12}$  1-MeV Eq. n/cm<sup>2</sup>
- Single Event Fluence:  $1.0 \times 10^{12}$  p/cm<sup>2</sup> (E > 20 MeV)
- Magnetic Field: 0.5 T

Thanks to the integration of the system in the SYx527, the EASY BRIC can be controlled with all SYx527 software and libraries (GECO2020, HiVoCS, OPC, EPICS and CAEN HV Wrapper).

## EASY BRIC SYSTEM

Water cooled System for Hostile Areas







# x8034H FAMILY - HIGH RESOLUTION POWER SUPPLY UNITS

UP TO 6 kV / 20  $\mu$ A 8-16 CH

The new high resolution HV family is available in NIM, 19" Rack or Desktop form factor.

The modules provide either 8 or 16 HV channels with 6 kV / 20  $\mu$ A output full scale, through SHV connectors. The channels are positive or negative, and can be individually enabled.

The voltage ramp rates may be set independently for each channel.

If overcurrent occurs, the channels can turn off after a programmable trip time, or remain on, and provide the maximum allowed current (current generator mode).

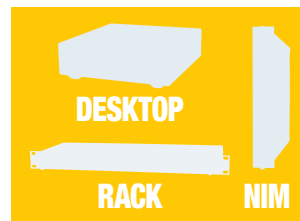
All units can be controlled either locally, via LCD Touchscreen, or remotely, via USB and Ethernet. User friendly apps and software libraries for the devices control are available as well.

**Suitable for germanium detectors**

**Features**

- NIM (2U), 19" Rack or Desktop unit
- 8 or 16 Independently controllable HV channels
- 6 kV maximum output voltage
- Positive or negative polarity
- 20  $\mu$ A output current
- Individual channels enable
- 100 mV voltage monitor resolution
- 500 pA current monitor resolution (with x10 Imon ZOOM: 50 pA)
- Programmable voltage ramp up / down rates
- Typical voltage ripple smaller than 2 mVpp (1 kHz ÷ 20 MHz)
- Overcurrent programmable protections
- Programmable TRIP parameter
- SHV connectors
- Current generator operation in overcurrent condition
- Local control via 2.7" LCD Touchscreen
- Remote control via USB or Ethernet
- User friendly applications and software libraries available

**Form Factor**



R8034H



DT8034H



N8034H







## A7526 - HIGH EFFICIENCY HV DC/DC CONVERTER

### UP TO 2.6 kV / 500 $\mu$ A 1 CH - PCB MOUNT

#### Features

- Available with positive or negative polarity
- Analog  $V_{set}$  output voltage regulation
- Typical voltage ripple 5 mVpp (1 kHz  $\div$  20 MHz)
- Imon and Vmon Output (positive analog monitor)
- Overcurrent protection
- Compact package: 29x54x16 mm<sup>3</sup>



The A7526 provides a 2.6 kV maximum voltage, and a maximum output current of 500  $\mu$ A. It is available with either positive (P) or negative (N) output voltage, regulated by providing a 0 to +2.4 V external voltage ( $V_{set}$ ). The board is provided with an overcurrent protection: if a current larger than the lout maximum value is drawn, the module is not being damaged.

Thanks to its excellent stability and special design, A7526 power supply is engineered to work in harsh environment and under severe temperature variations.



## A7526DB - HIGH EFFICIENCY HV POWER SUPPLY MODULE

### UP TO 2.6 kV / 500 $\mu$ A 1 CH - COMPACT DESKTOP

#### Features

- Available with positive or negative polarity
- SHV output connector
- Internal memory for permanent storage of calibration and configuration
- Imon and Vmon digital monitor
- Compact package: 63x36x170 mm<sup>3</sup>
- Typical voltage ripple smaller than 5 mVpp (1 kHz  $\div$  20 MHz)
- Digital output voltage control
- RS485 digital control (allows to build daisy chain network of A75xxDB modules)
- Interlock logic for Module enable



The A7526DB Power Supply Module is a compact desktop solution to provide stable and low noise power supply for several kinds of detectors.

The module houses a digital controlled high voltage channel that provides a 2.6 kV maximum voltage with 100 mV monitor resolution. The maximum output current is 500  $\mu$ A ( $I_{set}$  adjustable), with 10 nA (Imon) monitor resolution. It is available with either positive (P) or negative (N) output voltage. HV output is delivered through SHV connector.

Power supply control can be performed remotely via RS485, allowing to build a daisy chain network of A75xxDB modules.

Overcurrent detection: if the channel attempts to draw a current larger than  $I_{set}$ , the output voltage is automatically adjusted to keep the current below  $I_{set}$  limit. Under this condition, the channel behaves as a current generator.

The Module can be enabled or disabled through the interlock logic.



## A7512DB - DIGITAL CONTROLLED POWER SUPPLY MODULE FOR MRPC

### UP TO 12 kV / 20 $\mu$ A 1 CH - COMPACT DESKTOP

#### Features

- Available with positive or negative polarity
- LEMO HV output connector
- LEMO 00 connector for preamplifier power supply
- Internal memory for permanent storage of calibration and configuration
- Typical voltage ripple smaller than 30 mVpp (1 kHz  $\div$  20 MHz)
- Digital output voltage control
- RS485 digital control (allows to build daisy chain network of A75xxDB modules)
- Interlock logic for Module enable



The A7512DB Power Supply Module is a compact desktop solution to provide stable and low noise power supply for single and multi-gap Resistive Plate Chamber (RPC) detectors.

The module houses a digital controlled high voltage channel that provides a 12 kV maximum voltage with 100 mV monitor resolution. The maximum output current is 20  $\mu$ A, with 500 pA monitor resolution. It is available with either positive (P) or negative (N) output voltage. HV output is delivered through LEMO HV connector.

# DT5485P - DIGITAL CONTROLLED SiPM POWER SUPPLY WITH USB

## UP TO 85 V / 10 mA 2 CH - DESKTOP



The DT5485P power supply offers, in a single standalone box, a handy way to bias SiPMs: output voltage on LEMO00 connector, high current drain for multidetector connection, temperature feedback, USB control are just some of the features that make the module convenient for R&D and laboratory needs.



The DT5485P is a one-channel high voltage regulator specifically designed for SiPM bias. The unit can provide up to 10 mA and the output voltage could be regulated between 20 V and 85 V with a minimum step of 1 mV. It has a built-in temperature compensation controller with programmable coefficient and features a 3.5 mm audio socket for temperature probe input.

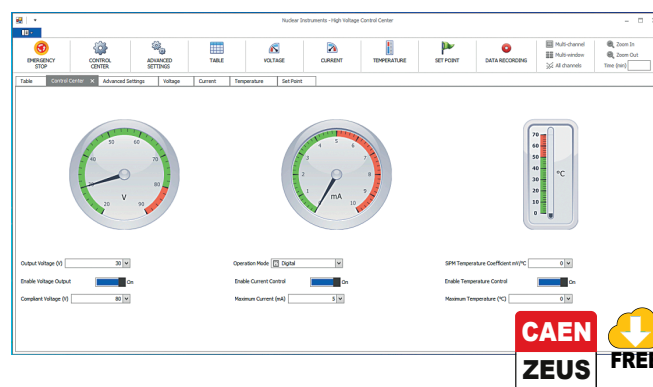
Two versions are available: DT5485P (powered and controlled via USB) and DT5485PB (USB-controlled, with

external +12 V power supply).

The ZEUS control software is provided for free; ZEUS is a Windows compatible software that allows to control multiple DT5485P modules at the same time. The software is based on a user-friendly GUI that allows the parameters configuration and the data logging on file. It integrates real-time plot capabilities (voltage, current and temperature) with the possibility to superimpose measurements from several modules.

### Features

- Single Desktop HV channel:
  - DT5485P: powered and controlled by USB
  - DT5485PB: controlled by USB, with +12 V external power supply
- 20 ÷ 85 V (10 mA) output range
- High current monitor resolution:
  - Low range: 100 nA
  - High range: 650 nA
- Very low ripple (<0.1 mVpp typical)
- Programmable temperature compensation
- ZEUS Software Tool for easy unit management



**A7585D**

1 Ch. 85 V/10 mA Digital Controlled SiPM Power Supply (with USB) - PCB Mount



**A7585DU**

1 Ch. 85 V/10 mA USB Controlled SiPM Power Supply (with USB) - PCB Mount

# ORDERING OPTION

## POWER SUPPLIES

### A161X Family p. 10

Code	Description	Form Factor
WA1612XAAAA	A1612 – Syx527 H.V. Channels 500V 1mA - individual Floating (16CH)	System
WA1619XAAAA	A1619 – Syx527 H.V. Channels 250V 1mA - individual Floating (16CH)	System

### A162X Family p. 11

Code	Description	Form Factor
WA1625MXXXX	A1625M -SYx527 mixed polarity individual floating 8 ch 1 kV/20 mA (20 W) board	System
WA1625NXXXX	A1625N -SYx527 negative individual floating 8 ch 1 kV/20 mA (20 W) board	System
WA1625PXXXX	A1625P -SYx527 positive individual floating 8 ch 1 kV/20 mA (20 W)	System
WA1626MXXXX	A1626M - SYx527 mixed polarity individual floating 16ch 1 kV/10mA (10W) board	System
WA1626NXXXX	A1626N - SYx527 negative individual floating 16ch 1 kV/10mA (10W) board	System
WA1626PXXXX	A1626P - SYx527 positive individual floating 16ch 1 kV/10mA (10W) board	System

### A1632H p. 12

Code	Description	Form Factor
WA1632HAAAA	A1632HN - SYx527 negative H.V. -6 kV 100 µA - SHV Connector Individual floating (8 ch)	System
WA1632HPAAAA	A1632HP - SYx527 positive H.V. +6 kV 100 µA - SHV Connector Individual floating (8 ch)	System

### A255x Family p. 13

Code	Description	Form Factor
WA2551AXAAAA	A2551A - individual floating 8 ch 8 V/12 A (60 W) board - DB37 conn.	Mainframes
WA2551XAAAA	A2551 -individual floating 8 ch 8 V/12 A (60 W) board	Mainframes
WA2552AXAAAA	A2552A - individual floating 8 ch 16 V/6 A (60W) board - DB37 conn.	Mainframes
WA2552XAAAA	A2552 - individual floating 8 ch 16 V/6 A (60W) board	Mainframes
WA2553AXAAAA	A2553A - individual floating 8 ch 32 V/3 A (60 W) board - DB37 conn.	Mainframes
WA2553XAAAA	A2553 - individual floating 8 ch 32 V/3 A (60 W) board	Mainframes
WA2554AXAAAA	A2554A - individual floating 8 ch 64V/1.5A (60W) board - DB37 conn.	Mainframes
WA2554XAAAA	A2554 - individual floating 8 ch 64 V/1.5 A (60W) board	Mainframes

### R6060 p. 14

Code	Description
WR6060CXAAAA	R6060C - EASY 6000/3000 Branch Controller (up to 6 EASY crates controlled)

### EASY BRIC p. 15

Code	Description
WEASY6000NSW	EASY BRIC - Water Cooled Box for EASY BRIC PowerSupply System - NSW version
WA1660XNSWAA	A1660 - EASY BRIC Branch Controller with RS-485NSW version
WE6001XNSWAA	EASY BRIC - 300Vdc to 12Vdc (8ch x 200W) Converter - No internal cooling

### x8034H Family p. 16

Code	Description	Form Factor
WDT8034HXMAA	DT8034HM - 8CH Desktop Programmable HV Power Supply (4ch +6 kV 20 µA, 4ch -6 kV 20 µA) 50 pA res -SHV con	Desktop
WDT8034HXNAA	DT8034HN - 8CH Desktop Programmable HV Power Supply (-6 kV 20 µA) 50 pA res -SHV conn. - Common Gnd	Desktop
WDT8034HXPAA	DT8034HP - 8CH Desktop Programmable HV Power Supply (+6 kV 20 µA) 50 pA res -SHV conn. - Common Gnd	Desktop
WN8034HXMAAA	N8034HM - 8 Channel NIM Programmable High Voltage Power Supply (4ch -6 kV 20 µA, 4ch +6 kV 20 µA) 50 pA	NIM
WN8034HXNAAA	N8034HN - 8 Channel NIM Programmable High Voltage Power Supply (-6 kV 20 µA) 50 pA res. - SHV Common Gnd	NIM
WN8034HXPAAA	N8034HP - 8 Channel NIM Programmable High Voltage Power Supply (+6 kV 20 µA) 50 pA res.- SHV Common Gnd	NIM
WR8034HDXMAA	R8034HDM - 16CH Rack-mount Programmable HV P.S. (8ch -6 kV 20 µA,8ch +6 kV 20 µA) 50 pA res - SHV conn. -	Rack 19"
WR8034HDXNAA	R8034HDN - 16CH Rack-mount Programmable HV Power Supply (-6 kV 20 µA) 50 pA res - SHV conn. - Common Gnd	Rack 19"
WR8034HDXPAA	R8034HDP - 16CH Rack-mount Programmable HV Power Supply (+6 kV 20 µA) 50 pA res - SHV conn. - Common Gnd	Rack 19"
WR8034HXMAAA	R8034HM - 8CH Rack-mount Programmable HV P.S. (4ch -6 kV 20 µA,4ch +6 kV 20 µA) 50 pA res - SHV conn.	Rack 19"
WR8034HXNAAA	R8034HN - 8CH Rack-mount Programmable HV Power Supply (-6 kV 20 µA) 50 pA res - SHV conn. - Common Gnd	Rack 19"
WR8034HXPAAA	R8034HP - 8CH Rack-mount Programmable HV Power Supply (+6 kV 20 µA) 50 pA res - SHV conn. - Common Gnd	Rack 19"

### A7526 p. 17

Code	Description	Form Factor
WA7526NXAAAA	A7526N - -2.6 kV 500µA High Efficiency HV Power Supply Module	PCB Mount
WA7526PXAAAA	A7526P - +2.6 kV 500µA High Efficiency HV Power Supply Module	PCB Mount

### A7526DB p. 17

Code	Description	Form Factor
WA7526DNBAAA	A7526DNB -2.6 kV 500µA Digital Interface HV Power Supply Module BOXED	Desktop
WA7526DPBAAA	A7526DPB +2.6 kV 500µA Digital Interface HV Power Supply Module BOXED	Desktop

### A7512DB p. 17

Code	Description	Form Factor
WA7512DBNXAA	A7512DNB -12 kV 20µA HV Power Supply Module - BOXED	Desktop
WA7512DBPXAA	A7512DPB +12 kV 20µA HV Power Supply Module - BOXED	Desktop

### DT5845P p. 18

Code	Description	Form Factor
WDT5485XPAAA	DT5485P - Digital Controlled Power Supply for SiPM +85V 10mA	Desktop
WDT5485PBXAA	DT5485PB - Digital Controlled Power Supply for SiPM +85V 10mA ,external power	Desktop

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