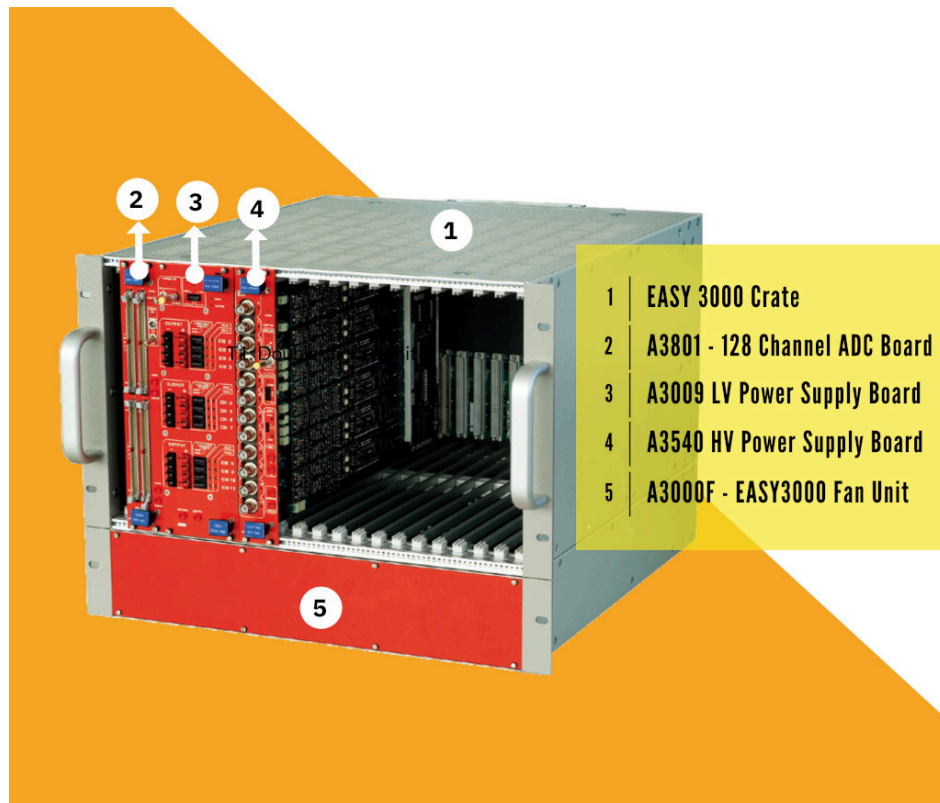


EASY3000

Crate for EASY3000 Power Supply System for Hostile Area



Features



- Full integration in SY1527/SY2527 Systems
- Up to 10 boards per crate
- Up to 3 kW output power
- Magnetic field tolerance up to 2 kGauss
- Radiation tolerance

Description

EASY3000 (Embedded Assembly System) is the new CAEN power supply solution for operation in magnetic field and radioactive environment. CAEN has been involved for more than a decade in developing different solutions for the main LHC experiments, where the electronic equipment of the experiment is dealing with high dose radiation and intense magnetic field. In order to provide safe and reliable operations in such hostile areas, CAEN started tests with rad-tolerant components and magnetic field resistant solutions, patenting the new technology that is now used in this new line of products. Moreover, though designed for harsh environment, the EASY3000 modules can work also in normal condition with excellent performance. The EASY3000 crate is designed to house Power Supply and ADC boards of EASY3000 family; it supports mechanically EASY boards and distributes control signals and power supplies. It is handled by one of six branches of the **Branch Controller A1676A**.

APP PC5933T connector

Vertical contact MINI P/CLAW APP PC5933T type for EASY3000

Consult our **connectors reference page** for technical information.

The **EASY3000** crate must be used with an air and/or water intercooler and its standard width fit the rack mounting. An optional fan tray (A3000F - EASY3000 Fan Unit) can be used for the stand-alone operation of the EASY3000 crate when no magnetic field is present.

EASY3000 is powered by external 48 V DC. The EASY architecture foresees two independent 48 V power supplies: the first (48 V Power) to power the channels regulators, the other (48 V Service) to power the control logic. EASY3000 has power supply and link connection on the rear panel.

The use of CAEN 48 V power sources (Mod. **A3484**, **A3485** and **A3486**), allows to integrate into the channels control also the management of the 48 V power supplies; **A3486** is also suitable to hostile areas.

Technical Specifications

Nr. of modules per Crate (max)

10

Depth

65 cm

Height

6 U

Width

19" (84 T.E.)

Weight

10kg

Ordering Options

Code	Description
WEASY3000MB0	EASY3000 - Crate for EASY3000 Power Supply System for Hostile Area - APP Conn.

Related Products

EASY3000B



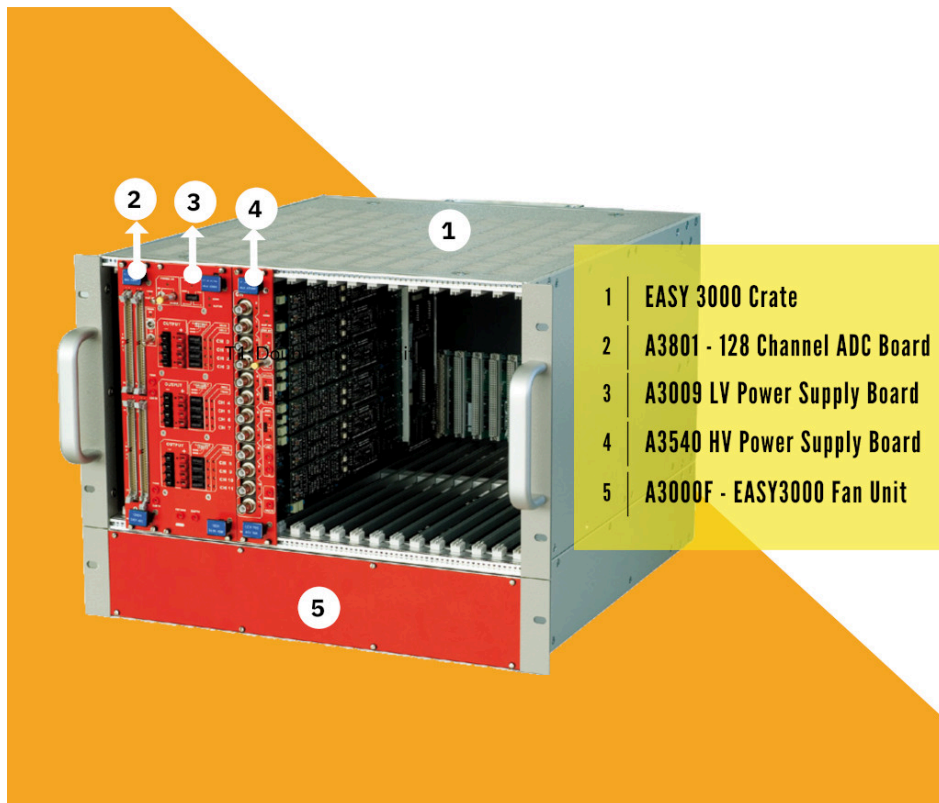
Crate for EASY3000 System for Hostile Area with Bolt Connectors

EASY3000S



Front Access Crate for EASY3000 System for Hostile Area

Gallery



This document, or parts thereof, may not be reproduced in any form or by any means without written permission from Caen S.p.A. Although every effort has been made to ensure the accuracy of information presented in this catalog, Caen S.p.A reserves the right to modify its products specifications without giving any notice; for up to date information please visit www.caen.it © Caen S.p.A - 2024

CAEN S.p.A.

Via Vetraia 11
55049 - Viareggio
Italy

Phone +39.0584.388.398

Fax +39.0584.388.959

info@caen.it

www.caen.it

CAEN GmbH

Brunnenweg 9
64331 Weiterstadt, Germany

Phone +49 (0)212.254.4077

Mobile +49 (0)151.16.548.484

info@caen-de.com

www.caen-de.com

CAEN Technologies, Inc.

1 Edgewater Street - Suite 101
Staten Island, NY 10305
USA

Phone +1.718.981.0401

Fax +1.718.556.9185

info@caentechnologies.com

www.caentechnologies.com

CAENspa India Private Limited

B205, BLDG42, B Wing,
Azad Nagar Sangam CHS,
Mhada Layout, Azad Nagar, Andheri West
Mumbai, Maharashtra 400053, India

info@caen-india.in

www.caen-india.in

