

STATYS Chassis

For an optimised and secure power supply –
integrated within your own panel
from 200 to 1800 A

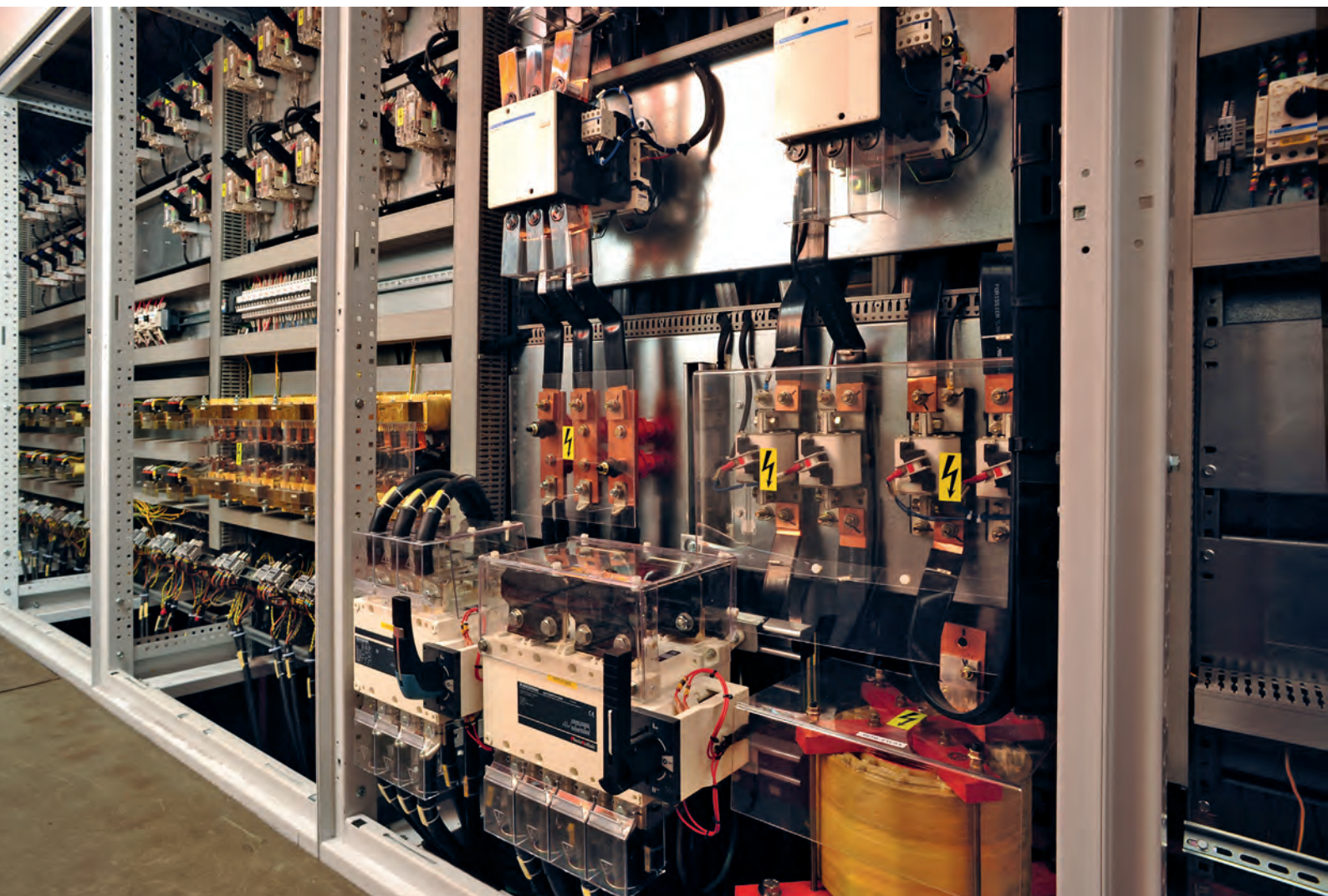


Enhancing customisation

efficiency and adaptability

The inherent flexibility of integrable solutions offers unparalleled opportunities for customisation, enabling system integrators to tailor Static Transfer Systems (STS) to meet specific project requirements. This adaptability ensures that solutions are perfectly aligned with the end customer's needs and preferences.

STATYS Chassis has been designed to meet the challenges of integration.



Access to the latest technology

Integrable solutions have the advantage when it comes to leveraging the latest industry advancements and delivering proven results. As such, they can be deployed to provide state-of-the-art systems to their customers, keeping them ahead of the competition.

Reduced time to market

Integrable solutions will help you reduce the time required to bring new products to market, enabling you to focus on integration rather than developing components from scratch.

Proven results

By working with STATYS Chassis, you can benefit from technologies that have been tested and proven in the market. This reduces the risks associated with new product development and ensures customer satisfaction.

Cutting-edge components

Integrable solutions incorporate the latest components and technologies, ensuring high performance and reliability. This allows integrators to offer advanced solutions that meet the evolving needs of their customers.

Where

are Static Transfer Systems required?

Data Centres

STS are essential in Data Centres in order to ensure continuous power supply. They automatically transfer loads to alternative power sources when the primary source fails, minimising downtime and protecting sensitive equipment.

Industrial Facilities

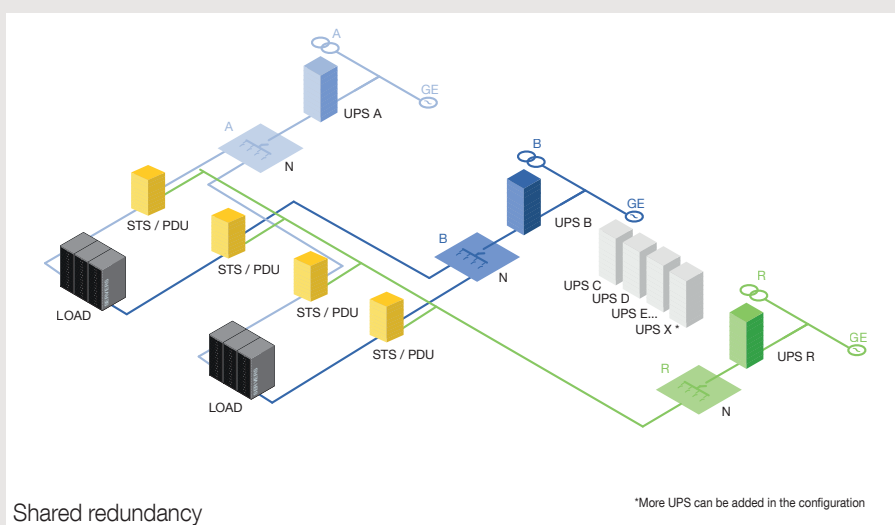
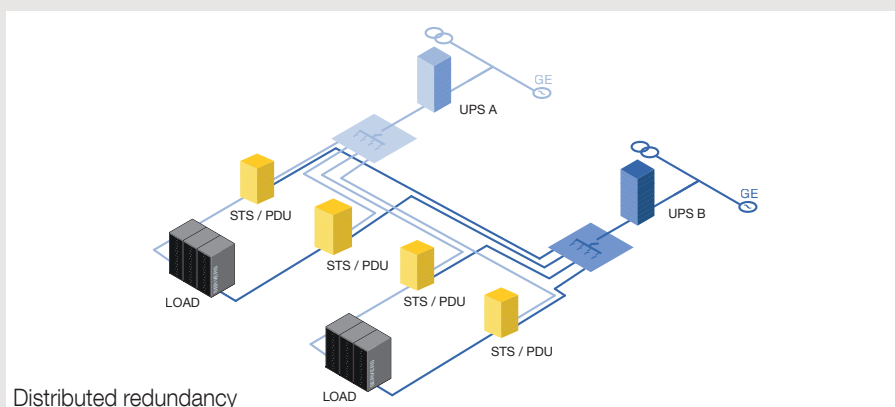
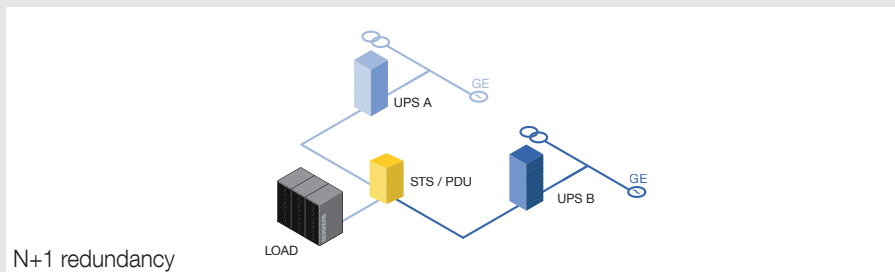
STS provide reliable power to critical machinery and industrial processes, preventing interruptions that could lead to costly downtime and equipment damage.

Commercial Buildings

STS are used in commercial buildings to maintain power continuity for essential services such as lighting, HVAC systems and security systems.

Telecommunication Centres

STS are crucial in telecommunication centres where they maintain power to communication networks and data transmission systems.



When

do you need Static Transfer Systems?

Static Transfer Systems provide an additional level of redundancy between two UPS in the event of:

- UPS maintenance operations,
- UPS faults,
- misuse or human error,
- external events such as fire, flooding or cable rupture.

The integrable Static Transfer System (STS)

for straightforward and seamless panel integration

STATYS Chassis has been designed to protect industrial facilities and their infrastructure against power source outages, upstream distribution failures and human error.

Powered by two independent alternate sources, it delivers enhanced reliability for electrical systems while streamlining the integration process – and has been specifically engineered for effortless installation into distribution panels or PDUs.

STATYS Chassis from 200 to 1 800 A



Fully integrated STS module

STATYS Chassis includes every component required for the operation of a Static Transfer System, including static switching and control.



Reduced manufacturing costs

STATYS Chassis is delivered pre-assembled to save manufacturing costs. This includes savings on labour, materials and overheads associated with producing a complete system.



Ready to connect

Ready for connection to monitor current status and track switch positions, ensuring safe operation, with results clearly displayed on the HMI.



Pre-engineered electrical interface

STATYS Chassis is delivered with a pre-engineered connection interface for easy wiring in the stand-alone cabinet.



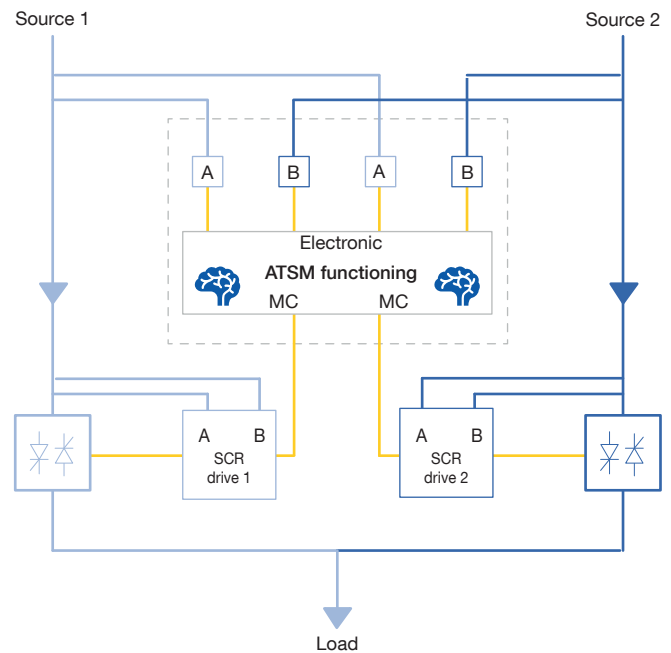
Dedicated mechanical interface

To facilitate the integration of STATYS Chassis in the stand-alone cabinet, it is delivered with a mechanical integration kit for fast plugin.

Cutting-Edge Components

Unparalleled power availability embedded in your equipment

- Dual redundant electronic power supply (4x).
- Micro controller redundancy, physically separated for additional safety.
- SCR driver integrates both independent and redundant power supplies.
- SCR fault sensing.
- “Auto-hold” function included to guarantee power continuity, even if an internal problem occurs.



Firmware that makes the difference

Advanced Transformer Switching Management (ATSM)

- An embedded transfer method - patented by Socomec - to manage downstream magnetic loads such as transformers.

Field-proven results

- 35 years of experience.
- Fourth generation STS.
- Millions of operating hours.
- Above 6,200,000 field hours MTBF.



Making

your own Static Transfer System

Integration kit: 3 main components



Integrable module



Com slot



HMI

A project in four easy steps

Electrical and mechanical design

Step one

Mechanical integration of the STS module in the cabinet, with CAD files provided by Socomec.

Step two

Electrical integration and requested connections documented in the STATYS integrable module engineering manual.

Manufacturing

Step three

Easy module integration using the kit provided.

Build the cabinet around the module with standard components:

- metal cabinet,
- copper bars,
- cables,
- switches.

Mount the HMI from Socomec directly on the front panel.

Services

Step four

Commission your Static Transfer System and benefit from access to top tier maintenance with Socomec's Partner Care Programme.

Technical data

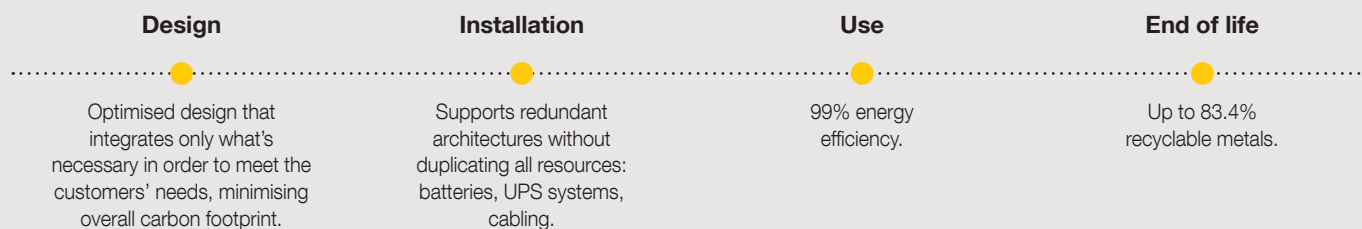
	STATYS Chassis										
Rating [A]	200	300	400	600	630	800	1000	1250	1400	1600	1800
ELECTRICAL CHARACTERISTICS											
Rated voltage	208 - 220 / 380 - 415 / 440 V										
Non-synchronized sources management	Configurable up to ± 180° (No restriction)										
Frequency	50 Hz or 60 Hz (±5 Hz configurable)										
Number of phases	3ph+N or 3ph (+ PE)										
Number of poles switching	3 or 4 poles										
Overload	150 % for 2 minutes – 110 % for 60 minutes ⁽¹⁾										
Efficiency	99%										
Admissible power factor	No restrictions										
ENVIRONMENT											
Operating ambient temperature	From 0°C to 40°C										
Relative humidity	95% non-condensing										
Maximum altitude	1000 m without downgrading										
Acoustic level at 1 m (ISO 3746)	≤ 60 dBA							≤ 84 dBA			
STANDARDS											
Safety	IEC 62310, IEC 60529										
EMC	Classe C2 (IEC 62310-2)										
Product certification	CE, RCM (E2376), UKCA										
Degrees of protection	IP20										
DIMENSIONS											
Rating [A]	200	300	400	600	630	800	1000	1250	1400	1600	1800
W x D x H (mm)	400 x 586 x 765	600 x 586 x 765		800 x 586 x 765		1000 x 950 ⁽²⁾ x 1930		910 x 815 x 1955			
Weight (kg)	70	105		130		495		570			

(1) For 630 A only: 150% for 1 minute - 105% for 60 minutes.

(2) Depth does not include handles (+40mm).

Sustainability in mind

We help our customers to design low voltage electrical facilities that support the circular economy and are kinder to the planet, making the lowest possible environmental impact.



Socomec is engaged to provide “**Product Environmental Profiles**” for all new products in order to share the environmental impact over their whole life cycle.

Socomec: our innovations supporting your energy performance

1 independent manufacturer

4,200 employees
worldwide

8 % of sales revenue
dedicated to R&D

400 experts
dedicated to service provision

Your power management expert



POWER
SWITCHING



POWER
MONITORING



POWER
CONVERSION



ENERGY
STORAGE



EXPERT
SERVICES

The specialist for critical applications

- Control, command of LV facilities
- Safety of persons and assets
- Measurement of electrical parameters
- Energy management
- Energy quality
- Energy availability
- Energy storage
- Prevention and repairs
- Measurement and analysis
- Optimisation
- Consultancy, commissioning and training

A worldwide presence

12 production sites

- France (x3)
- Italy (x2)
- Tunisia
- India
- China (x2)
- USA (x2)
- Canada

30 subsidiaries and commercial locations

- Algeria • Australia • Austria • Belgium • China • Canada
- Dubai (United Arab Emirates) • France • Germany
- India • Indonesia • Italy • Ivory Coast • Malaysia
- Netherlands • Poland • Portugal • Romania • Serbia
- Singapore • Slovenia • South Africa • Spain • Sweden
- Switzerland • Thailand • Tunisia • Turkey • UK • USA

80 countries

where our brand is distributed

HEAD OFFICE

SOCOMEK GROUP

SAS SOCOMEK capital 10 568 020 €
R.C.S. Strasbourg B 548 500 149
B.P. 60010 - 1, rue de Westhouse
F-67235 Benfeld Cedex
Tel. +33 3 88 57 41 41 - Fax +33 3 88 57 78 78
info.scp.isd@socomec.com

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100 years
OF SHARED ENERGY

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Innovative Power Solutions