

STATYS Cabinet

Static Transfer System (STS): ensuring optimal redundancy for critical loads

from 200 to 1600 A (1800 A catcher)



Function

STATYS Cabinet is an intelligent static transfer system (STS) that provides increased supply availability, automatically transferring its loads to alternative power sources when the primary source falls out of set values.

STATYS Cabinet offers the highest protection against main power source outages, failure in the upstream power distribution system, malfunctions due to defective devices, or operator errors.

Advantages

Best resiliency for optimal power availability

STATYS Cabinet is designed to ensure the best power availability by eliminating all traditional single points of failure thanks to:

- Dual redundant electronic power supply (4x).
- Micro controller redundancy, including history log and settings, physically separated for additional safety.
- SCR driver integrates both independent and redundant power supplies, incorporating SCR fault sensing.
- An «auto-hold» function included to guarantee power continuity, even if an internal problem occurs.
- Cooling redundancy with fan failure monitoring.
- Segregation of main functions to prevent internal fault propagation.

Advanced Transformer Switching Management (ATSM)

ATSM is an embedded transfer method developed by Socomec to manage downstream magnetic loads such as transformers present in PDU.

This function protects current occurring after source transfer on a magnetic load. By specifically managing, the phases sequence ATSM protects the installation from high transient overvoltages causing protection tripping linked to load transfer.

Designed to fit your installation

STATYS Cabinet offers the opportunity to implement a redundant architecture ensuring availability while providing more site flexibility:

- Compliant with all distribution architecture including Catcher.
- Available in 3 or 4-wire arrangement with or without neutral.
- Flexible digital control capacity that can adapt to any operational or electrical environment conditions.
- Capability to manage synchronised and non-synchronised sources according to load specificity, non-linear loads compatibility.

35 years of innovation driven by the field

A Firmware based on thousands of units installed and millions of operating hours to achieve the best level of availability:

- Source independence.
- Short circuit detection.
- ATSM integrated as a standard feature.
- Worldwide coverage of products and services.

The solution for

- > Data centre
- > Healthcare
- > Infrastructure & Transport
- > Industry
- > Building

Strong points

- > Best resiliency for optimal power availability
- > Advanced Transformer Switching Management (ATSM)
- > Designed to fit your installation
- > 35 years of innovation driven by the field

Conformity to standards

- > IEC 62310 – 1
- > IEC 62310 – 2
- > IEC 60529
- > CE
- > UKCA

Expert services

We offer services to ensure your system highest availability:

- > Commissioning
- > On-site intervention
- > Maintenances packages with scheduled preventive visits
- > 24-hour call out and rapid on-site repairs
- > Warranty extensions
- > Training

Sustainability advantages

- > Up to 83% recycling potential.
- > 99% energy efficiency rating to limit the energy consumption.
- > Manufactured in line with ISO 14001 certification.
- > Enables the deployment of redundant architecture reducing the sizing of Genset, UPS systems and its batteries as well as cabling.
- > RoHS & REACH compliant.
- > PEP ecopassport® available.

General characteristics

- A smart and flexible transfer system that can be configured according to the type of load.
- Synchronized and non-synchronized source compatibility (configurable synchronisation tolerance and switching management).
- ATSM.
- Output fault current sensing.
- Internal CAN Bus.
- Double maintenance bypass.
- Embedded Inputs, output and maintenance bypass switches.

Standard communication features

- LCD or user-friendly 7" touch-screen multilingual graphic colour display.
- Dry-contact interface (configurable voltage-free contacts).
- Free ComSlot available for communication option.
- Full digital configuration and setting.

Remote monitoring and cloud services

- Remote monitoring and cloud services
- SoLive : mobile app enabling the monitoring of the STS systems from a smartphone.
- NET VISION: Professional WEB/SNMP Ethernet interface for secure STS monitoring.

Electrical options

- Available in fused or fusless version.
- 4W (3 Ph+N) or 3W (3 Ph).
- Advanced redundant design.

Communication options

- Dry-contact interface (configurable voltage-free contacts).
- MODBUS RTU RS485.
- MODBUS TCP.
- REMOTE VIEW PRO supervision software.
- NET VISION: Professional WEB/SNMP Ethernet interface for secure STS monitoring.

Technical data

	STATYS Cabinet										
Rating (A)	200	300	400	600	630	800	1000	1250	1400	1600	
ELECTRICAL CHARACTERISTICS											
Rated voltage	208 - 220 / 380 - 415 / 440 V										
Non-synchronized sources management	Configurable up to $\pm 180^\circ$ (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										
Maintenance bypass	Integrated										
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 (3300 ft) without downgrading										
Acoustic level at 1 m (ISO 3746)	≤ 70 dBA							≤ 84 dBA			
STANDARDS											
Safety	IEC 62310, IEC 60529										
EMC	Classe C2 (IEC 62310-2)										
Product declaration	CE, RCM (E2376), UKCA										
Degrees of protection	IP20										
DIMENSIONS											
Rating (A)	200	300	400	600	630	800	1000	1250	1400	1600	
WxDxH (mm)	500 x 600 ⁽²⁾ x 1930	700 x 600 ⁽²⁾ x 1930				1400 x 950 ⁽²⁾ x 1930		2010 x 815 x 1955			
Weight (kg)	195	270		345		685		1200			

(1) For 630 A only: 150% for 1 minute - 105% for 60 minutes.
(2) Depth does not include handles (+40 mm).