

STATYS Chassis

Integrable Static Transfer System (STS) for easy and seamless panel integration
from 200 to 1800 A



Function

STATYS Chassis is a Static Transfer System (STS) that provides protection against power source outage, failures in the upstream power distribution system or human errors. Supplied by two independent alternate sources, it significantly increases the reliability of the electrical infrastructure and saves you both time and effort during integration. Developed for seamless installation in Distribution Panels/PDUs, it comes in two design options:

- chassis frame up to 630 A,
- standalone chassis from 800 A.

Advantages

Pre engineered form factor for seamless integration

The STATYS Chassis's frame structure is developed to address mechanical integration challenges:

- Portable ComSlot and HMI accessible on cabinet's front door.
- Multiple fixation points to fit simpler within your cabinet.
- adaptable to any switch configuration.
- Switch position information monitoring.
- Flexible digital control capacity that can adapt to any operational or electrical environment conditions.

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 each phases, ATSM protects the installation against high transient overcurrent causing protection tripping linked to load transfer.

Best in class power availability integrated in your equipment

The STATYS Chassis meets the most demanding customers expectations by guaranteeing the highest power availability eliminating all traditional single points of failure:

- Dual redundant electronic power supply (4x).
- Micro controller redundancy, 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.

35 Years of Field-Driven Innovation

A Firmware based on the experience through thousands of units installed and millions of operating hours. The best level of availability on the market:

- Power sources segregation.
- Short circuit detection.
- ATSM.
- Worldwide coverage of products and services.

The solution for

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

Strong points

- > Pre engineered form factor for seamless integration
- > Advanced Transformer Switching Management (ATSM)
- > Best in class power availability integrated in your equipment
- > 35 Years of Field-Driven Innovation

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 86.2% 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 synchronization tolerance and switching management).
- ATSM.
- Output fault current sensing.
- Internal CAN Bus.
- Double maintenance bypass.
- Multiple fixation points.

Standard communication features

- LCD or user-friendly 7» touch-screen multilingual graphic colour display.
- Dry-contact interface (configurable voltage-free contacts).
- Portable screen.
- 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.

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 $\pm 180^\circ$ (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											
Overload	150 % for 2 minutes – 110 % for 60 minutes ⁽¹⁾											
Efficiency	99%											
Admissible power factor	No restrictions											
ENVIRONNEMENT												
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)	≤ 70 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				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).