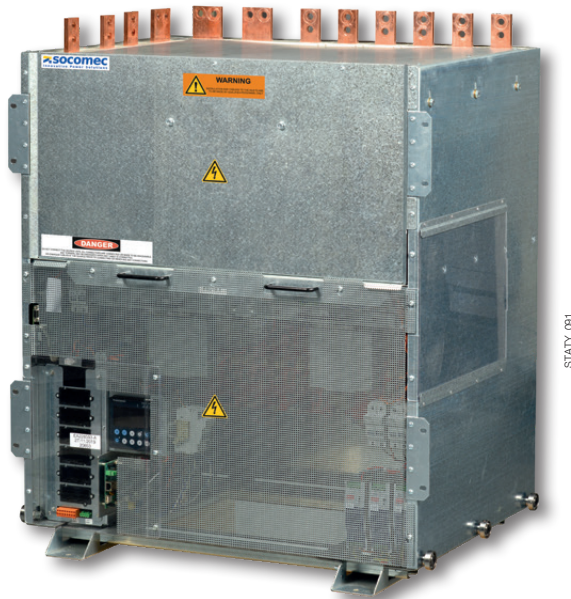


STATYS Integrable

Redundant design for power availability and site maintainability
from 200 A to 800 A



Function

STATYS Integrable is a fully integrated static transfer power unit for integration into a cabinet or a power distribution unit (PDU).

Supplied by two independent sources, STATYS Integrable increases the overall electrical infrastructure availability during abnormal events and programmed maintenance.

Easy integration

- Pre-engineered mechanical and electrical connections for ease of integration into cabinets or PDUs.
- Installed simply by one operator with no special equipment required.
- STATYS Integrable is operated by any HMI via a single connection bus using Modbus protocol.

Unparalleled serviceability

- STATYS Integrable can be easily integrated or swapped with a new one, without the need of specific tools.
- Preventive maintenance is made quick by front accessible components and drawer mounted fans.

Best resiliency

- Full redundant internal design ensuring no single point of failure.
- Internal segregation between critical functions to prevent a fault propagation.
- Load protection ensured even during an internal fault.

Robust design

- Compatible with all types of electrical infrastructure and applications.
- Fully rated SCR ensures no restriction to the continuation of operation.

The solution for

- > Integration in switchboard and PDU
- > Data center
- > Finance, banking and insurance
- > Healthcare sector
- > Telecom & Broadcasting
- > Industry
- > Power generation plants
- > Transport

Advantages

- > Easy integration
- > Unparalleled serviceability
- > Best resiliency
- > Robust design

Conformity to standard

- > UL 1008s
Guide WPXT
E513909
- > IEC 62310-2
(EMC Immunity & Emission)



High reliability - Internal redundant design

Main features:

- Triple redundant power supplies.
- Full redundant DC power bus.
- Redundant microcontroller.
- Redundant SCR drivers.
- Cooling redundancy up to 104 °F/ 40 °C .
- Equipped with an “auto-hold” feature to ensure load continuity in case of internal failure.
- Real-time SCR fault sensing.
- Separation of main functions to prevent internal fault propagation.
- Robust internal field communication bus.
- Internal monitoring of sensors to ensure maximum system reliability.

Minimized MTTR

- Easy replacement of the power supplies.
- Drawer mounted fans with quick disconnect.
- Cold swap of the entire STATYS Integrable power unit.

Standard features

- A smart and flexible transfer system that can be configured according to the type of load.
- Synchronized and non-synchronized sources compatibility (configurable synchronization tolerance and switching management).
- Output fault current sensing.
- Full breaker management.
- ATSM (Advanced Transformer Switching Management).
- Available in switched and non-switched neutral.

Standard communication features

- Dry-contact interface (configurable voltage-free contacts).
- Ethernet interface for STATYS Integrable monitoring via WEB pages.
- MODBUS TCP.
- Full digital configuration and setting.
- Single point access for manufacturer HMI.

Communication options

- Additional dry-contact interface. (configurable voltage-free contacts).
- MODBUS RTU RS485.

Technical data

| STATYS INTEGRABLE | | | | |
|---|--|-----|-----|------------------|
| Rating [A] | 200 | 400 | 600 | 800 |
| ELECTRICAL SPECIFICATIONS | | | | |
| Rated voltage | 208-220/380-415/480/600 V | | | |
| Voltage tolerance | ± 10% (configurable) | | | |
| Non-synchronized sources management | configurable up to ±180 | | | |
| Frequency | 50 Hz or 60 Hz ± 5 Hz (configurable) | | | |
| Number of phases | 3ph+N or 3ph (+ PE) | | | 3ph (+PE) |
| Number of poles switching | 3 or 4-pole switching | | | 3 pole switching |
| Maintenance bypass (cabinet version) | monitoring up to 6 breakers | | | |
| Overload | 150% for 2 minutes - 110% for 60 minutes | | | |
| Efficiency | 99 % | | | |
| Admissible power factor | no restrictions | | | |
| ENVIRONMENT | | | | |
| Operating ambient temperature | 32-104 °F / 0-40 °C | | | |
| Relative humidity | 95% | | | |
| Maximum altitude | 3280 ft / 1000 m a.s.l. without derating | | | |
| Acoustic level at 3.28 ft / 1m (ISO 3746) | ≤ 60 dBA | | | |
| STANDARDS | | | | |
| Safety | UL 1008 S | | | |
| EMC | C2 category IEC 62310-2, FCC part 15 | | | |



Pre-engineered solution for easy integration into the cabinet.

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