

# Pulsar STS

## Source Transfer Switch

### Power redundancy and high availability for your network and telecom applications

No power, no business.  
It's as simple as that.

Your computer and telecom systems are vital to your company's operation. If they stop, so does your business. That's why you need power you can count on. No matter what.

To keep your mission-critical applications up and running, MGE UPS SYSTEMS has developed **Pulsar STS**.

**The Pulsar STS Source Transfer Switch** is an efficient and competitive solution that manages two **redundant** sources to provide absolute power protection.

Build a **high availability** pack with a Pulsar STS powered by 2 Pulsar UPSs.



*Pulsar STS 10 and 2 Pulsar ESV14+ UPSs.*

► Fully automatic

► Only 1 U high

► Fault tolerant

► Easy universal installation

THE MERLIN GERIN KNOW-HOW

**MGE**  
UPS SYSTEMS

*Nothing will stop you now*

## Principle

The Pulsar STS handles the automatic or manual transfer of your loads between two independent sources that you designate as preferred or alternate. In the event of a failure, transfer is automatic and instantaneous.

## Reliability and fault tolerance

With Pulsar STS, you get more than just source redundancy. With separate electronic control circuits for the preferred and alternate sources and another system to monitor all parameters, the Pulsar STS has internal redundancy as well. In this way, it continues to power your applications even in the event of a fault.

## Automatic bypass function

Pulsar STS can be used as an automatic bypass for the UPS.

## Hot swap function

Pulsar STS lets you service one of the sources without interrupting the flow of power to your applications.

## Safe transfers

"Break Before Make" switching technology makes sure the two sources are never connected to the load at the same time. This prevents fault propagation and avoids creating a single point of failure.

## High availability for your strategic servers

### ► Mirrored UPSs

With a High Availability pack, the Pulsar STS lets you mirror two Pulsar UPSs for absolute power protection of your strategic servers.

### ► Continuous communication between Pulsar STS and the server :

- "Basic" port to make use of the shutdown capabilities of the Netware, NT or AS400 type servers.
- "Protocol Interface" option to make use of the administration and shutdown capabilities of Solution-Pac software.

## Communicating and easy to operate

### ► Simple mimic panel

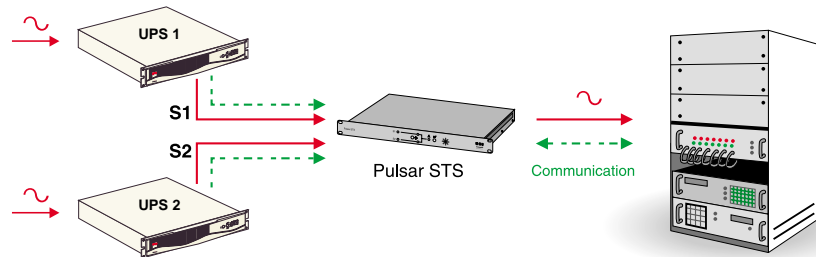
Displays the various status conditions of the sources and the Pulsar STS.

### ► "STS COM" communications port

Dry contacts indicate the status of the sources and the Pulsar STS (preferred source, source OK, Pulsar STS fault).

### ► "Basic" communications port

for the High Availability pack. The status information provided is always that of the UPS supplying equipment via the Pulsar STS.

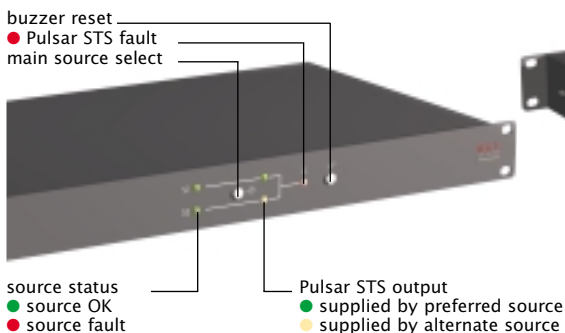


## Main characteristics

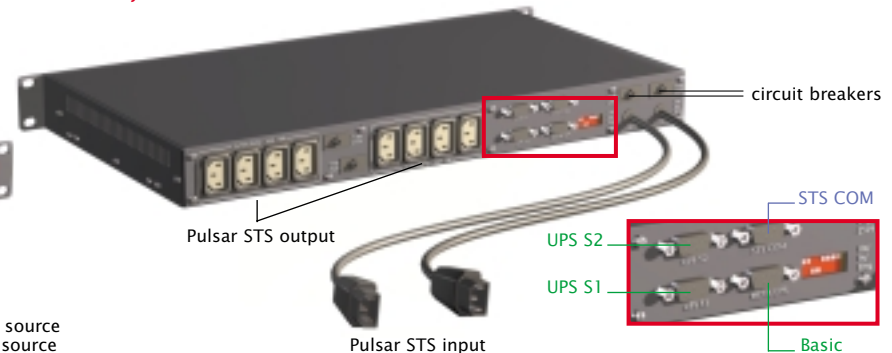
General	Pulsar STS 10	Pulsar STS 16
Pulsar UPSs compatible with High Availability pack	Pulsar ESV+, Pulsar EX7/10	Pulsar EX15, EX20, EX30
Dimensions (W x H x D in mm)	430 x 43 x 250	
Net weight (kg)	5	
<b>Input</b>		
Voltage	208/220/230/240 V +/- 12%	
Frequency	50/60 Hz	
Connection: 2 power cords	IEC 320 C13	IEC 320 C20
Current	10 A	16 A
<b>Output</b>		
Connection	8 x IEC 320 C13	
Current	10 A	10 A per block of 4 sockets
Transfer time	6 ms	
<b>Standards</b>		
Safety	EN 50091-1	
EMC	EN 50022/B, IEC 1000-4	
Marking	CE, TÜV/GS	
Design, manufacture, logistics and service	ISO 9001	
<b>Warranty</b>	2 years	

## User interface and connections

### Pulsar STS, front view



### Pulsar STS, rear view



## MGE UPS SYSTEMS

Headquarters  
140, avenue Jean Kuntzmann  
ZIRST Montbonnot St-Martin  
38334 ST ISMIER Cedex, France  
www.mgeups.com

MGE0303UK0-1

