



## General features

- Full microprocessor control, compact design
- High efficiency, very high MTBF
- Outstanding response time
- Input / Output RFI meet International standards
- Complete supervision possibility
- ON-Line / OFF-Line configuration while system running
- Large synchronisation range
- Alphanumeric display

The STM 150 static switch has been developed to work with RDI or DCI parallel inverter modules, used in Telecom and Industrial applications. It allows secondary source backup in case of primary source problem.

Off-Line and On-line mode can be configured in the menu, even if the system is running.

Thanks to the full microprocessor control and intelligent management during load transfer, the reliability is highly improved.

All the functional informations are available both locally and remotely with the SYS3000 controller and the PSM2000 software.

## The smart AC solution

### CE+T S.A.

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# STM 150 - 120 / 230 V

	120 Vac	230 Vac
<b>1. Input specifications</b>		
Operating voltage range (Selectable for STM150)	95 up to 150 Vrms	180 up to 275 Vrms
Input frequency range (Selectable)	47,5...52,5 Hz or 57,5...62,5 Hz	
<b>2. Maximum permanent current</b>		
	150A in natural cooling 180A in assisted cooling	
<b>3. Transfer performance</b>		
Maximum voltage interruption	60 µsec to 5 msec (Typical : 2 msec)	
Total transient voltage duration (max)	60µsec to 10 msec (Typical : 3 msec)	
<b>4. Efficiency at full load</b>		
	> 99%	
<b>5. Voltage conformity (rms, For 230Vac / 120Vac)</b>		
Maximum mains, adjustable	125...150V	250...275V
Minimum mains, adjustable	95...110V	180...210V
Minimum inverters, adjustable	95...110V	180...210V
Maximum inverters, adjustable	125...150V	250...275V
Load level to come back after overload	75...95% (With RDI modules)	
<b>6. Electro magnetic compatibility</b>		
Standards applied for immunity	EN 61000 4-2 / 4-3 / 4-4 / 4-5 / 4-6	
Standards applied for emission	FCC Patr 15 class A / CISPR 22 ClassB	
<b>7. Temperature</b>		
Storage temperature	- 40° to 80°C	
Permissible ambient temperature	- 20° to 50°C	
<b>8. MTBF</b>		
	> 400 000 h	
<b>9. Supervision possibility</b>		
	With SYS 3000 controller	
<b>10. Signalling and measurements</b>		
	LCD display (2 lines x 16 characters) + 3 LEDs 5 free potential contacts	
<b>11. Safety</b>		
	EN60950 / UL 1950 / UL 1778 (Rack)	
<b>12. Dimensions (W x D x H, mm)</b>		
	438 x 348 x 3U	
<b>13. Weight (approximately)</b>		
	9 Kg	

Specifications can change without notice,  
new datas will be updated on Web site : [www.cet.be](http://www.cet.be)

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