

## Electronic Static By Pass Unit

STM 150

This static is especially developed to work with parallelable inverters DCI or RDI used for Telecom applications. Thanks to the fully microprocessor control and an intelligent management during a load transfer, the reliability is improved. All the functioning information are available both locally and can be remote centralised using the **SYS 3000** controller and **PSM 2000** software. These functions allow us to reach high efficiency into a compact design



### General features

- High efficiency
- Very high MTBF
- Fully Microprocessor Controlled
- Outstanding response time
- Input/Output RFI meet International Standards
- Complete Supervision possibility
- On Line or Off Line Configurable
- Large Synchronisation Range
- Alphanumeric Display

## TECHNICAL SPECIFICATIONS

MODEL		120VAC	230VAC
Input	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	
Maximum permanent current		150A in natural cooling	
		180A in forced cooling	
Transfer performance	Maximum voltage interruption	60 µsec to 5 msec (Typical : 2 msec)	
	Total transient voltage duration (max)	60 µsec to 10 msec (Typical : 3 msec)	
Efficiency at full load		> 99%	
Voltage conformity (rms, for 230Vac/120Vac)	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 levels to come back after overload	75 ... 95% (With RDI modules)	
Electro magnetic compatibility	Standard applied for immunity	EN 61000 4-2 / 4-3 / 4-4 / 4-5 / 4-6	
	Standard applied for emission	FCC Part 15 class A / CISPR 22 ClassB	
Temperature	Storage temperature	- 40° to 80° C	
	Permissible ambient temperature	- 20° to 50° C	
MTBF		>400 000h	
Supervision possibility		With SYS 3000 controller	
Signalling and measurements		LCD display (2 lines x 16 characters) + 3 LEDs 5 free potential contacts	
Safety		EN60950 / UL 1950 / UL1778 (Rack)	
Dimensions (W x D x H, mm)		438 x 348 x 3U	
Weight (approximately)		9Kg	

We reserve the right to change specifications without prior notice

Ref : cat2004/SMT50

Tel: (011) 886-7874

Fax:(011) 787-0178

Email: [sales@sinetech.co.za](mailto:sales@sinetech.co.za)