



Central Static Transfer Systems EG-STs 100A – 1250A

Central static transfer systems for maximum availability in critical applications.

High performance: maximum transfer speed, high power management and high overload capacity.

Applications

- Data centers
- Telecommunications and broadcasting equipment
- Industrial applications



Features

- Provides redundant power to single-input equipment by managing two separate, independent power sources
- Maximum automatic transfer speed between two sources: ≤ 5 ms for the 63 A versions, ≤ 4 ms for the 100 A to 1250 A versions.
- Maximum protection: it automatically inhibits the transfer in the event of a downstream short circuit, preventing damage to both sources.
- Total source independence and internal redundancy on all components including bypass, power supplies, cooling systems etc. ensures maximum continuity to the connected loads.
- Direct front access to all components and separate dual manual bypass guarantee easy and safe maintenance.
- Continuous input voltage and frequency monitoring to allow safe switching without source cross-overs.
- Real-time SCR status detection and backfeed protection for maximum upstream system safety.
- Circuit breakers for improved protection in all conditions.
- RS232, RS485 ModBus ports, dry contacts and slots for optional communication card.

Key options

- Additional dry contacts card.
- Operation without neutral.
- Isolation transformer.
- Top cable entry.
- 4-pole configuration with switched neutral.

PMA_EG-STs / PMA01251018

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Technical Data Sheet

Model EG-STS	100A-3p	250A-3p	400A-3p	650A-3p	800A-3p	1000A-3p	1250A-3p
Size [A]	100	250	400	630	800	1000	1250
INPUT							
Terminal block	4-wire terminals						
Rated voltage	208/380/400/415/440/480 Vac three-phase with neutral						
Voltage tolerance	±10% (up to ±20% on request)						
Frequency	50/60 Hz, ±2 Hz (up to ±4 Hz on request)						
Source harmonic voltage content	Unlimited (>20%THD, switching time ≤10 ms)						
Switching phase angle	5° to 30°						
OUTPUT							
Terminal block	4-wire terminals						
Frequency	50/60 Hz						
Switching time	≤4 ms						
Switching type	Break before make, switching inhibited on fault						
Power factor	1 to 0.3						
Maximum crest factor	3:1						
Load current distortion	Unlimited						
Permissible overload	125% for 30 min, 150% for 10 min, 200% for 30s, 2000% for 1 cycle, 4000% for 1/2 cycle						
EFFICIENCY							
AC/DC	>99%						
ENVIRONMENTAL PARAMETERS							
Operating temperature	0°C to +40°C						
Altitude (a.s.l.)	< 1000 m with no power derating, > 1000 m with 0.5% derating for every 100 m						
Audible noise at 1 m	≤62 dBA						
GENERAL							
Dimensions (WxDxH) mm	820 x 835 x 1475			1220 x 860 x 1900			WxDxH ¹⁾
Weight (kg)	265	290	305	615	660	1000	1450
Protection class	IP20						
Installed layout	Wall mounting, back to back, and side by side						
Access	Front access, top and bottom cable entry						
CONNECTIVITY							
User interface	LCD graphic display, LED synoptics and function keys						
Built-in communication ports	Relay contact card, RS232, RS485, ModBus-RTU adapter						
Optional accessories	Additional relay contact card						
REGULATIONS							
Standards	IEC EN 62310-1, IEC EN 62310-2, IEC EN 62310-3, IEC EN 62947-3						
Marking	CE, UKCA						

Specifications subject to change without notice.

Notes: 1) 2000 x 1000 x 2100

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