iMax G

STATIC POWER
SMART | SOLID | SAFE



The Solution for Large Centralised Systems

Safe and solid, with a switching capacity up to 1600A and a fault current rating up to 50kA, the iSTS model G is designed for large dual cord systems where continuous power supply is essential.

Typical applications: Hospitals, airports, large infrastructures and data centres.

Key features

- Fuseless design
- Built-in transient voltage protection
- UPS Eco-Mode compatible
- Safe asynchronous source transfers
- Very high MTBF (>800,000 hours)
- LED mimic decal with graphic LCD interface
- One touch transfers
- Visual and sound alarm
- Integrated web server
- Remote operation
- High-level interface - MODBUS, SNMP
- Email alerts
- Clock synchronisation with NTP
- Mechanically interlocked circuit breakers Maintenance bypass
- Redundant fan cooling
- High fault current capacity
- 5 x voltage free contacts & remote inputs
- Easy front access for maintenance
- Australian designed & manufactured






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Current rating	1Ph: 630A max 3Ph: 1600A max
Voltage rating	All region-specific voltages selectable ±10%
Type	1-Phase/2-Pole, 3-Phase/3-Pole or 3-Phase/4-Pole
Frequency	50Hz and 60Hz, ±10% - Auto detection
Transfer type	Break-Before-Make zero current transfer by Thyristors / SCR
Synchronous break time	<1ms - asynchronous break time up to ¼ cycle
MTBF	>800,000 hours
Maintenance bypass	5 Mechanically interlocked circuit breakers
Isolation	Incoming sources and output isolator switches
Display	Fully featured colour 7”display and information interface
Interface	Preferred supply selection, Source transfer selection and Alarm cancel button
Contact	2 Self wetting transfer control inputs 5 Voltage free change-over status indicators, Form C
Ethernet	HTTP, SNMP, MODBUS TCP, Email & NTP
Input options	Terminals M12/M16 via gland plate
Output options	Terminals M12/M16 via gland plate
Dimensions H x W x D	1900 x 1400 x 600mm
Weight	295kg - 490kg
Temperature	0 – 45°C
IP rating	IP21
Detection	Digital: <1ms
Asynchronous break time	0ms, 10ms, 50ms or Vt proportional, 0° to 180°
Loading	0 - 100% @45°C ambient
Device ratings	2650A_{RMS} @36kA 1 cycle
Overload @40°C ambient	125% for 10min 150% for 30s 5kA for 1s 10kA for 0.1s 36kA for 1 cycle
Fault current setting	350% peak with load fault transfer inhibit
Safe install environment	36kA for 1 cycle - Fuseless design
Protection	Circuit breakers
Power factor	No practical limit
Max THDV	10% - Max allowable source voltage distortion
Crest factor	3.5 : 1
dV/dt max	800V/µs
Cooling	Redundant fans
Humidity @40°C ambient	5 – 95% non-condensing

Specifications are subject to change without notice