



iSTS H



iSTS K



iSTS G

Current rating	1Ph: 400A max 3Ph: 250A max	1Ph: 630A max 3Ph: 630A max	1Ph: 630A max 3Ph: 1600A max
Voltage rating	All region-specific voltages selectable $\pm 10\%$		
Frequency	50Hz and 60Hz, $\pm 10\%$ - Auto detection		
Type	1-Phase/2-Pole, 3-Phase/3-Pole or 3-Phase/4-Pole		
Transfer type	Break-Before-Make zero current transfer by Thyristors / SCR		
Synchronous break time	<1ms - synchronous break time up to $\frac{1}{4}$ cycle		
MTBF	>800,000 hours		
Maintenance bypass	5 Mechanically interlocked circuit breakers		
Isolation	Incoming sources and output isolator switches		
Display	Bi-colour LED mimic decal with graphic backlit LCD display and information interface	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 and 5 Voltage free change-over status indicators, Form C		
Ethernet	HTTP, SNMP, MODBUS TCP, Email & NTP		
Connexions	Terminals M8/M10 via gland plate	Terminals M10 via gland plate	Terminals M12/M16 via gland plate
Dimensions H x W x D	1300 x 600 x 300mm	1900 x 800 x 400mm	1900 x 1400 x 600mm
Weight	75kg - 165kg	195kg - 295kg	295kg - 490kg
Temperature	0 – 45°C		
IP rating	IP21	IP31	IP21
Detection	Digital: <1ms		
Asynchronous break time	0ms, 10ms, 50ms or Vt proportional, 0° to 180°		
Loading	0 - 100% @45°C ambient		
Device ratings	1250A _{RMS} @20kA for 1 cycle	1800A _{RMS} @28kA for 1 cycle	2650A _{RMS} @36kA for 1 cycle
Overload @40°C ambient	125% for 10min, 150% for 30s 1kA for 1s, 5kA for 0.1s 20kA for 1 cycle	125% for 10min, 150% for 30s 4kA for 1s, 8kA for 0.1s 28kA for 1 cycle	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	20kA for 1 cycle - Fuseless design	28kA for 1 cycle - Fuseless design	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/ μ s		
Cooling	Redundant fans		
Humidity @40°C ambient	5 – 95% non-condensing		
Regulatory approvals	IEC 62310-1,2,3 - IEC 60950 - IEC 61000-6-1,2,3,4 – CE – RCM – UL Capable - RoHS		
Standard warranty	24 months offsite repair or replacement policy		

Specifications are subject to change without notice