

Static Transfer Switch

Hornbill 1000S/2000S

16 A - 32 A

Single Phase



Special Features

- 32 bit DSP Controlled Design
- Automatic Instantaneous Transfer and Retransfer without Cross Connection of Sources
- Enhanced Monitoring and Diagnostics
- RS 232 or RS 485 Interface with MODBUS Protocol
- Redundant Power Supply
- 19" Rack Mountable
- Complies with IEEE 446
- Natural air Cooled for Highest Reliability

Technical Specification
Hornbill 1000S/2000S

16 A - 32 A

	Hornbill 1000S & 2000S	
Model	Hornbill 1000S	Hornbill 2000S
Input / Output		
Nominal Voltage	110 / 115 / 230 / 240 V AC (1 Ph + N)	
Voltage Tolerances	+/- 15%	
Frequency Tolerances	wide band 40 - 70 Hz Auto Selectable	
Power Capacity	16A / 32A	
No. of Switching Poles	SINGLE	TWO
Overload Capacity	110% for 1 hour, 150% for 60 s, 200% for 10 s , 1000% for 100 ms	
Duty	Continuous	
Load Power Factor Range	0.6 to unity leading or lagging	
Source Voltage Distortion	< 10% THD	
Controller	32 bit DSP	
Switch		
Transfer	< 5ms in sync & <15 ms in No sync	
Retransfer	< 5ms in sync & not applicable for No sync	
Manual Bypass	Provided	
Efficiency (Ref. IEC 60146-1-1)*	≥ 99%	≥ 98%
Environmental		
Operating Temperature	0 to 40°C	
Storage Temperature	0 to 70°C	
Relative Humidity	Up to 95% (Non Condensing)	
Acoustic Noise @ 1m (Ref. ISO 3746)	< 45 dBA	
Altitude	< 1000 meters above sea level (without de-rating) altitude	
Physical		
Enclosure Protection	IP - 20	
Cooling	Natural	
Color	RAL 7016	
Cable Entry	Back	
Dimensions	2 U (485 x 450 x 88.5 mm)	
Installation	19" Rack Mountable	
User Interface		
Indications	Source 1 Healthy, Source 1 Priority, Source 1 Feeding, Source 1 Manual bypass ON, Output ON Source 2 Healthy, Source 2 Priority, Source 2 Feeding, Source 2 Manual bypass ON, No sync	
Fault Indication	Overload	
Standards	IEC 62310-1, IEEE 446	
Other Features	RS 485 MODBUS	

* At full load & nominal input voltage

► All Specifications are subject to change

► Custom models available on request

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