Rack Power & Electronics

Overview

Creating power redundancy for single power source devices are very important to meet the requirement of ISMS ISO 9001 | ISO 14001 | ISO 27001 | ISO 45001 and to further comply to the standard.

By adding STS, we are creating one more point of failure hence the Reliability of STS play major role along with switching time, understanding the requirement of industry, NetRack has designed the thirster based legendary reliable product with lowest possible switching time of 5mS when both source are in sync.

Model : NR-STS-1-2-16 & NR-STS-1-2-32	
Input/Output	
Nominal Voltage	230/240V AC(1PH+N)
Voltage Tolerances	+/-15%
Frequency Tolerances	Wide band - 40-70 Hz
Power Capacity	16A/32A
No.of Switching Poles	2 Poles (Phase + Neutral)
Overloaded Capacity	110% for 1Hour 150% for 1 Minute 200% for 10 Seconds 1000% for 100Msec
Duty	Continuous
Load Power Factor Range	0.6 to unity Leading or Lagging
Controller	32-bit DSP
Switch	
Tranfer	< 5 ms in sync & < 15 ms in No Sync
Manual Bypass	Yes
Efficiency (Ref.IEC 60146-1-1) (At full load & Nominal Input Voltage)	≥ 98 %

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Environmental	
Acoustic noice level from 1 meter (Ref. ISO 3746)	≤ 45 dBA
Operational temperature	0 to 40 Deg C
Storage temparature	0 to 70 Deg C
Relative humidity	Up to95% (Non condensing)
Altitude	< 1000 meters above sea level (without de-rating altitude)
Physical	
Enclosure pretection	IP - 20
Cooling	Natural
Color	RAL 7016 Texture
Dimention	2U (Width - 450mm X depth - 485mm X height - 88.5mm)
Installation	Rack mountable

User Interface					
Indications	Source 1 Priority	Source 1 ON	Of source 1 Source 2 ON	Output ON	Manual by of source 1
	Source 2 Priority	Source 2 ON	Source 2 SW (Feeding)	No Sync	Manual by of source 2
Fault Indication					

Socket			
Description	Industrial Socket : IEC 30932A-2P+E		
	Socket 1	Socket 2	Socket 3
	Source 1	Source 2	Out Put

Other Features
RS 485 MODBUS (Optional)