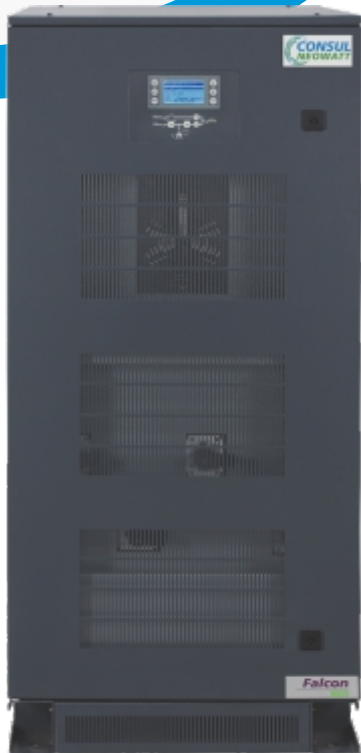




Falcon 8500 UPS - 40 to 120 KVA



Special Features

- ◆ 32 bit DSP controlled UPS
- ◆ Inbuilt galvanic isolation
- ◆ Space vector modulation technique
- ◆ 128 x 64 Graphics display
- ◆ True RMS reading of more than 25 different parameters of UPS
- ◆ Quiet operation, low audible noise
- ◆ Superior output quality;
Output voltage distortion < 1%*
- ◆ Compact system, lowest footprint to KVA ratio in its category

*for linear load

Quality Power Protection

For the critical power requirements in Industrial, IT, Commercial, Communication and Office environment

Falcon 8500

UPS – 40 to 120 KVA

Three Phase Input / Three Phase Output



SPECIFICATIONS	Rating in KVA	40	60	80	100	120
	Input / Bypass					
Nominal Voltage	415 V AC 3 ph + N (± 15%)					
Nominal Frequency	50 Hz (46 to 54 Hz)					
Battery Voltage	384 VDC					
Output						
Power in KW	32	48	64	80	96	
Power Factor	0.6 to Unity within KVA and KW rating					
Voltage	400 V / 415 V AC (± 1%) 3 Ph					
Frequency	50 Hz (± 0.1 Hz)					
Transient Response	± 5%, recovery within one cycle to 98%					
Waveform	Sinusoidal					
Total Harmonic Distortion	< 1% max for Linear Load, < 3% max for Non-Linear Load (Ref IEEE 62040-3)					
Overload Capacity	110% for 60 min, 125% for 10 min, 150% for 60 sec					
Inverter Efficiency (Ref. IEC 60146-1-1)	up to 93%					
Topology	32 bit DSP controlled					
Static Bypass						
Transfer Time	Synchronous mode: No break, Asynchronous mode < 10 ms					
Manual Bypass	Provided					
Environment						
Operating Temperature	0 to 40° C					
Storage Temperature	0 to 70° C					
Relative Humidity	up to 95% RH (Non-condensing)					
Maximum Operating Altitude	1000 m (without de-rating)					
Acoustic Noise @ 1m (Ref. ISO 3746)	≤ 65 dBA					
Enclosure Protection Grade	IP 20					
Ventilation	Forced air cooling					
Cable Entry	Bottom					
Dimensions in mm						
Width	600			600		
Depth	900			900		
Height	1300			1400		
Cabinet Finish	RAL 7016, Texture Finish					
Testing Standards	IEC 62040-3					

The information contained in this publication is subject to change without prior notice.

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