



Falcon 8000 UPS - 30 to 200 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%*
- ◆ Unique modular design, offering lowest MTTR
- ◆ Compact system, lowest footprint to KVA ratio in its category
- ◆ High end interfacing options
- ◆ Advance thermal design and monitoring

*for linear load

Quality Power Protection

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

Falcon 8000

UPS – 30 to 200 KVA

Three Phase Input / Three Phase Output



SPECIFICATIONS	Rating in KVA	30	40	60	80	100	120	160	200	
	Input									
	Nominal Voltage	415 V AC 3 ph + N (± 15%)								
	Nominal Frequency	50 Hz (46 to 54 Hz)								
	Battery Voltage	384 VDC							480 VDC	
	Output									
	Power in KW	24	32	48	64	80	96	128	160	
	Power Factor	0.6 to Unity within KVA and KW rating								
	Voltage	400 V / 415 V AC (± 1%) 3 Ph (380 V / 440 V Optional)								
	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%					up to 94%				
Bypass										
Voltage & Frequency	415 V AC, ± 15 %, 50 Hz (±2.5 Hz)									
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							≤ 68 dBA		
Enclosure Protection Grade	IP 20									
Ventilation	Forced air cooling									
Cable Entry	Bottom									
Dimensions in mm										
Width	600	800	1000	1400						
Depth	800	800	900	900						
Height	1750	1750	1750	1750						
Cabinet Finish	RAL 7016, Texture Finish									
Testing Standards	IEC 62040-3									
Communication										
Interface & Protocol	Ethernet - RJ45									
Available Options	SNMP, MODBUS									

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

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