

Online UPS



Falcon 3000 10 to 60 kVA



Special Features

- ♦ 32 bit DSP controlled UPS
- ♦ Space vector modulation technique
- ♦ IGBT based rectifier
- ♦ Input current THDi < 3%
- ♦ Input PF near unity
- ♦ 128 x 64 Graphics Display
- ♦ True RMS reading of more than 25 different parameters of UPS
- ♦ Quiet operation, low audible noise
- ♦ Inbuilt galvanic isolation
- ♦ 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

UPS - 10 to 60 kVA

Three Phase Input / Single Phase Output

SPECIFICATIONS	Rating in KVA	10	20	30	40	60
	Input					
	Nominal Voltage	415 V AC 3 ph + N(± 15%)				
	Nominal Frequency	50 Hz (46 to 54 Hz)				
	Power Factor	≥ 0.99				
	THD i	< 3%				
	Topology	32 bit DSP controlled				
	Battery Voltage	312 V DC		480 V DC		
	Output					
	Power in KW	8	16	24	32	48
Power Factor	0.6 to Unity within KVA and KW rating					
Voltage	230 V AC (± 1%) 1 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 91%		up to 93%			
Bypass						
Voltage & Frequency	230 V AC , +10%, - 15%, 50 Hz (± 2.5%)					
Transfer Time	Synchronous mode : No break, Asynchronous mode < 5 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)	≤ 62 dBA		≤ 65 dBA			
Enclosure Protection Grade			IP 20			
Ventilation	Forced air cooling					
Cable Entry	Bottom					
Dimensions in mm						
Width	500		600		800	
Depth	800		800		800	
Height	1100		1750		1950	
Cabinet Finish	RAL 7016, Texture Finish					
Testing Standards	IEC 62040-3					
Communication						
Interface & Protocol	Intelligent RS 232					
Available Options	SNMP, MODBUS, Web based monitoring					

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

Registered Office

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