



Falcon 7000

UPS - 60 to 500 KVA

Three Phase Input / Three Phase Output



Special Features

- ◆ 32 bit DSP controlled UPS
- ◆ IGBT based rectifier
- ◆ Input current THDi < 3%
- ◆ Input PF near unity
- ◆ Space vector modulation technique
- ◆ 128 x 64 Graphics Display
- ◆ True RMS reading of more than 25 different parameters of UPS
- ◆ High end interfacing options
- ◆ Quite 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
- ◆ Advance thermal design and monitoring
- ◆ CE certified

*for linear load



Quality Power Protection

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

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SPECIFICATIONS	Rating in KVA	60	80	100	120	160	200	300	400	500
	Input									
	Normal Voltage	415 V AC 3 ph + N (±15 %)								
	Nominal Frequency	50 Hz (46 to 54 Hz)								
	Power Factor	≥ 0.99								
	THDi	3%								
	Topology	32 bit DSP controlled								
	Battery Voltage (DC)	+384 /-384 V								
	Output									
	Power in KW	60	80	100	120	160	200	300	400	500
Power Factor	0.6 to 0.9 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 94%									
Bypass										
Voltage & Frequency	415 V AC, ± 15%, 50 Hz (± 2.5Hz)									
Transfer Time	Synchronous mode: No break, Asynchronous mode < 5 ms									
Manual Bypass	Provided									
Environment										
Operating Temperature	0 to 40 ^o C									
Storage Temperature	0 to 70 ^o 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									
Cabinet & Testing										
Cabinet Finish	RAL 7016, Texture Finish									
Testing Standards	IEC 62040-1, IEC 62040-2, 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.

Consul Neowatt Power Solutions Pvt Ltd

(CIN:U31900TN1985PTC011866)

119, 120, 120A, Electrical and Electronics Industrial Estate

Perungudi, Chennai – 600 096

Phone: +91 78100 09955

Website: www.consulneowatt.com

Email: enquiry@consulneowatt.com

Contact: