



Features & Benefits

- 32 bit floating point DSP controlled UPS
- Advance rectifier
- State of Art IGBT based inverter design
- 128 x 64 Graphics Display True RMS reading of more than 25 different parameters of UPS
- Inbuilt isolation transformer
- Unique modular Construction, offering lower MTTR
- Internal CAN bus communication
- Multiple interfacing options
- Advanced thermal design and monitoring
- N+1 and N + N redundant fans

Falcon 1000

(5 to 200 KVA)

State-of-the-art R&D and Manufacturing Facility
Service Centres across India



Technical Specifications

Falcon 1000

UPS - 5 to 200 KVA

Three Phase Input / Single Phase Output

General		Falcon 1000 - 5 to 200 KVA									
Input		Options									
Nominal Voltage	415 V AC (3 Ph + N), +/- 15%										
Frequency	50 Hz, +/- 6%										
Rectifier Bridge Configuration	6 Pulse APFC										
Power Factor	>0.92										
I THD	<30%										
		Input Source Selector									
Battery											
Nominal DC	Up to 15KVA - 240V DC, 20KVA & above - 360V DC										
Charging Current	10A for 5-20kVA, 15A for 25-30kVA, 20A for 35-60kVA										
DC Ripple	2% without Battery / 1% with Battery										
Type	SMF / Lead acid / Ni - Cd										
Configuration	Individual / Common Battery										
		Common DC Bus									
		Battery Temp Compensation									
Output											
Nominal Rating (KVA)	5	10	15	20	25	30	35	40	50	60	
Nominal Power KW at 0.8 PF	4	8	12	16	20	24	28	32	40	48	Upto 180
Voltage	220V/230V/240V AC										
Voltage Stability	Steady state +/- 1%										
		110V upto 80 KVA									
		2% for 110V									
Dynamic Response	For 0 to 100% step load change the output shall remain within + 5% & recover to 98% within one cycle. (IEC 62040 – 3, Class 1)										
Frequency	50 Hz, +/- 0.1%										
Voltage distortion at linear load	<= 2%										
Voltage distortion at non-linear load	<= 5% (Ref 62040-3)										
Waveform	Sinusoidal										
Topology	IGBT Based DSP Control										
Power Factor	0.6 to unity within KVA & KW rating										
Crest Factor	3:1										
Overload Capacity from Inverter at Nominal Voltage	110% for 60 min, 125% for 10 min, 150% for 60 sec										
		125% for 15 min, 300% for 4mS									
Configuration	Stand Alone, Parallel Redundant										
		Hot standby									

*Range can be customised to customer requirement

*Specifications are subject to change

CNPS/Falcon1000/1118

Consul Neowatt Power Solutions Pvt Ltd

(CIN:U31900TN1985PTCO11866)

119, 120, 120A, Electrical and Electronics Industrial Estate
Perungudi, Chennai - 600 096

+91 78100 09955

73972 22294 (WhatsApp Number for Enquiry)

enquiry@consulneowatt.com

www.consulneowatt.com

