

Online UPS



Falcon 5000 200 to 600 KVA



Special Features

- ◆ 32 bit DSP controlled UPS
- ◆ IGBT based rectifier
- ◆ Input current THDi < 3%
- ◆ Input PF near unity
- ◆ Inbuilt galvanic isolation
- ◆ Space vector modulation technique
- ◆ 7.2" TFT Graphics Display
- ◆ True RMS reading of more than 25 different parameters of UPS
- ◆ High end interfacing options
- ◆ 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

*for linear load

Quality Power Protection

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

UPS - 200 to 600 kVA

Three Phase Input / Three Phase Output

| SPECIFICATIONS | Rating in KVA | 200 | 300 | 400 | 500 | 600 | |
|--|--|--------------------------------------|------------|------------|------------|------------|--|
| | Input | | | | | | |
| | Nominal Voltage | 415 V AC 3 ph + N (± 15%) | | | | | |
| | Nominal Frequency | 50 Hz (46 to 54 Hz) (60 Hz Optional) | | | | | |
| | Power Factor | ≥ 0.99 | | | | | |
| | THD i | < 3% | | | | | |
| | Topology | 32 bit DSP controlled | | | | | |
| | Battery Voltage | 600 V DC | | | | | |
| | Output | | | | | | |
| | Power in KW | 180 | 270 | 360 | 450 | 540 | |
| 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 | < 2% 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 96%, (ECO mode - up to 98 %) | | | | | | |
| Bypass | | | | | | | |
| Voltage & Frequency | 415 V AC , ±15%, 50 Hz (± 2.5%) | | | | | | |
| Transfer Time | Synchronous mode : No break, Asynchronous mode < 10 ms | | | | | | |
| 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) | < 68 dBA | | < 70 dBA | < 72 dBA | <74 dBA | | |
| Enclosure Protection Grade | IP 20 | | | | | | |
| Ventilation | Forced air cooling | | | | | | |
| Cable Entry | Bottom | | | | | | |
| Dimensions in mm | | | | | | | |
| Width | 1400 | 1600 | | 2100 | 2100 | | |
| Depth | 900 | 900 | | 900 | 1000 | | |
| Height | 1750 | 1750 | | 1750 | 1950 | | |
| Cabinet Finish | RAL 7016, Texture Finish | | | | | | |
| Testing Standards | IEC 62040-3 | | | | | | |
| Communication | | | | | | | |
| Interface & Protocol | RS 232 | | | | | | |
| Available Options | SNMP, MODBUS, Web based monitoring | | | | | | |

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

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