230V/400V ,3-Phase in / 3- Phase out: 80KVA -160KVA

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **KVA** | **80** | **100** | **120** | **160** |
| **RECTIFIER** |
| INPUT VOLTAGE | 230 / 400 VAC 3 Phase 4 Wire |
| INPUT RANGE | +/- 15 % |
| INPUT FREQUENCY | 50 / 60 Hz +/- 7% |
| INPUT POWER FACTOR | 0.8 |
| NORMAL INPUT CURRENT(A) | 128 | 160 | 192 | 256 |
| MAXIMUM INPUT CURRENT(A) | 160 | 200 | 240 | 320 |
| POWER WALK IN | 0% - 100% : 20 sec |
| EFFICIENCY | 99% |
| VOLTAGE REGULATION | 1% |
| CURRENT LIMIT(A) | 192 | 240 | 288 | 384 |
| RIPPLE VOLTAGE | 0.5% |
| **BATTERY** |
| BATTERY TYPE | SEAL LEAD ACID / NiCd |
| NO. OF CELLS | 174 / 271 |
| VOLTAGE RANGE | 295 – 410VDC / 285-415VDC |
| MAXIMUM CHARGE CURRENT (ADC) | 32 | 40 | 48 | 64 |
| BATTERY LOW VOLTAGE | 320VDC / 305VDC |
| BATTERY LOW STOP VOLTAGE | 295VDC / 285VDC |
| BOOST CHARGE | 402VDC / 415VDC |
| FLOAT CHARGE | 390VDC / 410VDC |
| **INVERTER** |
| DC INPUT RANGE | 285 – 420VDC |
| WAVE FORM | SINUSOID |
| OUTPUT VOLTAGE | 230 / 400 VAC 3 Phase 4 Wire |
| OUTPUT POWER FACTOR | 0.8 |
| VOLTAGE REGULATION 100% UNBALANCE LOAD | + / - 1 % |
| FREQUENCY LOCK RANGE | 45 – 55 Hz / 55 – 65 Hz |
| OUTPUT FREQUENCY(FREE RUNNING) | 50 / 60 Hz + / - 0.1 Hz |
| PHASE SHIFT UNDER 100% UNBALANCE LOAD | 120 % + / - 0.5∘ |
| THD (LINEAR LOAD) | < 2 % |
| OVERLOAD  | <110% | CONTINUOUS |
| 110 – 125% | 15 min |
| 125 – 150% | 5min |
| > 150% | 30 sec |
| EFFICIENCY (100% LOAD) | 94.5% | 94.5% | 95% | 95% |
| MAXIMUM OUTPUT PEAK CURRENT(A) | 348 | 432 | 520 | 693 |
| **STATIC SWITCH** |
| VOLTAGE RANGE | 173 – 277 VAC (LINE TO NEUTRAL) |
| FREQUENCY RANGE | 45 – 55 Hz / 55 – 65 Hz |
| EFFICIENCY | 99.5% |
| TRANSFER TIME: |
| - MAINS -> INVERTER | 0.2 ms |
| - INVERTER -> MAINS | 0.2 ms |
| OVERLOAD | 100% | 30 sec |
| 300% | 7 sec |
| ISOLATION WITH OUTPUT | YES |
| **OVERALL CHARACTERISTICS** |
| OVERALL EFFICIENCY | 92.5% | 92.5% | 93% | 93% |
| OPERATING ENVIRONMENT: |
| - TEMPERATURE | 0 - 40℃ ( 32 - 104℉ ) |
| - HUMIDITY | 0% - 90% ( NON–CONDENSING ) |
| - ALTITUDE | <1500 M ABOVE SEA LEVEL |
| MAXIMUM HEAT DISSIPATION(KW) | 4.6 | 5.4 | 6.5 | 8.7 |
| WEIGHT(Kg) (No Battery) | 950 | 1250 | 1400 | 1600 |
| DIMENSION: |
| - HEIGHT(mm) | 1600 |
| - WIDTH(mm) | 1100 |
| - DEPTH(mm) | 800 |
| - AUDIBLE NOISE | < 65 dBA (AT 1 m) |
| STANDARDS: |
| - EN50091-1,-2 | YES |
| - FCC CLASS A | YES |
| PROTECTIONS: |
| - SHORT CIRCUIT | RECTIFIER, RESERVE, BYPASS NFB |
| - LIGHTNING | MOV |
| - EMC FILTER | INPUT & OUTPUT |
| - GALVANIC ISOLATION | BETWEEN INPUT & OUTPUT |
| DATA DISPLAY BY LCD | YES |
| INDICATIONS & ALARMS: |
| - LED,LCD,BUZZER | YES |
| DRY CONTACT | YES |
| BATTERY START | YES |

* All specifications mentioned above are subject to change without prior notice.