## 277V/480V, 3-Phase in/3-Phase out: 200KVA -500KVA

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **KVA** | | | **200** | **240** | **300** | | **400** | **500** |
| **RECTIFIER** | | | | | | | | |
| INPUT VOLTAGE | | | 277 / 480 VAC 3 Phase 4 Wire | | | | | |
| INPUT RANGE | | | +/- 15 % | | | | | |
| INPUT FREQUENCY | | | 50 / 60 Hz +/- 7% | | | | | |
| INPUT POWER FACTOR | | | 0.8 | | | | | |
| NORMAL INPUT CURRENT(A) | | | 265 | 318 | 398 | | 530 | 663 |
| MAXIMUM INPUT CURRENT(A) | | | 332 | 398 | 497 | | 663 | 829 |
| POWER WALK IN | | | 15% - 100% : 15 sec | | | | | |
| EFFICIENCY | | | 99% | | | | | |
| VOLTAGE REGULATION | | | 1% | | | | | |
| CURRENT LIMIT(A) | | | 398 | 477 | 597 | | 796 | 995 |
| 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) | | | 80 | 96 | 120 | | 160 | 200 |
| 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 | | | 277 / 480 V 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 DIFFERENCE WITH  RESERVE INPUT | | | 120°+ / - 0.5° | | | | | |
| THD (LINEAR LOAD) | | | < 5 % | | | | | |
| OVERLOAD | | <110% | CONTINUOUS | | | | | |
| 110 – 125% | 15 min | | | | | |
| 125 – 150% | 5 min | | | | | |
| > 150% | 30 sec | | | | | |
| EFFICIENCY(100% LOAD) | | | 95% | 95% | 95% | | 95% | 95% |
| MAXIMUM OUTPUT  PEAK CURRENT(A) | | | 693 | 831 | 1039 | | 1386 | 1733 |
| **STATIC SWITCH** | | | | | | | | |
| VOLTAGE RANGE | | | 222 – 332 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 | | | 93% | 93% | 93% | | 93% | 93% |
| OPERATING ENVIRONMENT: | | | | | | | | |
| - TEMPERATURE | | | 0 - 40℃ ( 32 - 104℉ ) | | | | | |
| - HUMIDITY | | | 0% - 90% ( NON–CONDENSING ) | | | | | |
| - ALTITUDE | | | <1500 M ABOVE SEA LEVEL | | | | | |
| MAXIMUM HEAT  DISSIPATION(KW) | | | 11.5 | 13 | 16.3 | | 23 | 29 |
| WEIGHT(Kg) (No Battery) | | | 2600 | 2850 | 3300 | | 4100 | 4600 |
| DIMENSION: | | | | | | | | |
| - HEIGHT(mm) | | | 1600 | | | | | |
| - WIDTH(mm) | | | 2200 | | | 3300 | | |
| - DEPTH(mm) | | | 800 | | | | | |
| - AUDIBLE NOISE | | | < 68 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.