## ALP 277V/480V, 10KVA-500KVA,3- Phase in/ 3-Phase out

277V/480V, 3-Phase in/3-Phase out: 10KVA -60KVA

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **KVA** | **10** | **20** | **30** | **40** | **50** | **60** |
| 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) | 13 | 27 | 40 | 53 | 67 | 80 |
| MAXIMUM INPUT CURRENT(A) | 17 | 33 | 50 | 67 | 83 | 100 |
| POWER WALK IN | 0% - 100% : 20 sec |
| EFFICIENCY | 99% |
| VOLTAGE REGULATION | 1% |
| CURRENT LIMIT(A) | 20 | 40 | 60 | 80 | 100 | 120 |
| 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) | 4 | 8 | 12 | 16 | 20 | 24 |
| 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 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% | 5 min |
| > 150% | 30 sec |
| EFFICIENCY (100% LOAD) | 93% | 93% | 93% | 93.5% | 93.5% | 94% |
| MAXIMUM OUTPUT PEAK CURRENT(A) | 35 | 69 | 104 | 139 | 173 | 208 |
| **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 | 91% | 91% | 91% | 91.5% | 92% | 92% |
| OPERATING ENVIRONMENT: |
| - TEMPERATURE | 0 – 40℃ ( 32 – 104℉ ) |
| - HUMIDITY | 0% - 90% ( NON–CONDENSING ) |
| - ALTITUDE | <1500 M ABOVE SEA LEVEL |
| MAXIMUM HEAT DISSIPATION(KW) | 0.65 | 1.3 | 1.9 | 2.6 | 3 | 3.5 |
| WEIGHT(Kg) (No Battery) | 380 | 490 | 570 | 640 | 690 | 780 |
| DIMENSION: |
| - HEIGHT(mm) | 1600 |
| - WIDTH(mm) | 550 |
| - 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.