

TECHNICAL SPECIFICATION OF ALP SERIES

| PHASE | | 3-Phase Input / 3-Phase Output | | | | | | | | | | | 3-Phase Input / 1-Phase Output | | | | | |
|---|------------|--|-----|-----|-------|-------|-----|--|-------|------|------|------|--|-------------------|-----|-----|-------|-------|
| KVA | | 10 | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 120 | 160 | 240 | 320 | 10 | 20 | 30 | 40 | 50 |
| INPUT (RECTIFIER) | | | | | | | | | | | | | | | | | | |
| Input Voltage | | 220V Δ / 380V Δ / 460V Δ , 208VY / 380VY / 400VY / 415VY | | | | | | | | | | | | | | | | |
| Input Range | | + / - 20% (> +/- 20% is available upon request) | | | | | | | | | | | | | | | | |
| Input Frequency | | 50 / 60 Hz + / - 5Hz | | | | | | | | | | | | | | | | |
| Power Walk In | | 0% - 100% : 20 sec | | | | | | | | | | | | | | | | |
| Efficiency | | \approx 98% | | | | | | | | | | | | | | | | |
| Voltage Regulation | | + / - 1% | | | | | | | | | | | | | | | | |
| BATTERY | | | | | | | | | | | | | | | | | | |
| Battery Type / Pcs | | Maintenance free lead-acid batteries / 12V x 29pcs | | | | | | | | | | | | | | | | |
| Maximum Charge Current Adc (Selectable) | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 80 | 120 | 160 | 5 | 10 | 15 | 20 | 25 |
| Battery Start | | Yes, UPS can be started without AC source. | | | | | | | | | | | | | | | | |
| INVERTER | | | | | | | | | | | | | | | | | | |
| Output Voltage | | 220V Δ / 380V Δ / 460V Δ , 208VY / 380VY / 400VY / 415VY, + / - 1 % | | | | | | | | | | | 220 / 230 / 240 V, 1 Φ 2 ω or 3 ω | | | | | |
| Wave Form | | Sine Wave | | | | | | | | | | | | | | | | |
| Output Power Factor | | 0.8 | | | | | | | | | | | | | | | | |
| Frequency Lock Range | | 50 / 60 Hz + / - 3Hz | | | | | | | | | | | | | | | | |
| Output Frequency (Free Running) | | 50 / 60 Hz + / - 0.1 Hz | | | | | | | | | | | | | | | | |
| Phase Shift Under 100% Unbalance Load | | < 0.5° | | | | | | | | | | | | | | | | |
| THD (Linear Load) | | < 2 % | | | | | | | | | | | | | | | | |
| Overload | <110% | Continuous | | | | | | | | | | | | | | | | |
| | 110 – 125% | 15 minutes | | | | | | | | | | | | | | | | |
| | 125 – 150% | 10 minutes | | | | | | | | | | | | | | | | |
| | > 150% | 1 minute | | | | | | | | | | | | | | | | |
| Efficiency (100% Load) | | 93% | 93% | 93% | 93.5% | 93.5% | 94% | 94.5% | 94.5% | 95% | 95% | 95% | 95% | 93% | 93% | 93% | 93.5% | 93.5% |
| STATIC SWITCH | | | | | | | | | | | | | | | | | | |
| Voltage Range | | 173-277 VAC (L-N) | | | | | | | | | | | | | | | | |
| Mains \longleftrightarrow Inverter | | 0 ms | | | | | | | | | | | | | | | | |
| OVERALL CHARACTERISTICS | | | | | | | | | | | | | | | | | | |
| Overall Efficiency | | 91% | 91% | 91% | 91.5% | 92% | 92% | 92.5% | 92.5% | 93% | 93% | 93% | 93% | 91% | 91% | 91% | 91.5% | 92% |
| Maximum Heat Dissipation (Kw) | | 1.1 | 1.3 | 1.9 | 2.6 | 3 | 3.5 | 4.6 | 5.4 | 6.5 | 8.7 | 13 | 17.4 | 1.1 | 1.3 | 1.9 | 2.6 | 3 |
| Height x Width x Depth (mm) | | 1600 x 550 x 800 | | | | | | 80-160KVA: 1600 x 1100 x 800, 240-320KVA: 1600 x 2200 x 800 | | | | | | 1600 x 550 x 800 | | | | |
| Weight (Kg, without battery) (for standard 380V Y input only) | | 300 | 350 | 400 | 480 | 550 | 680 | 820 | 950 | 1180 | 1450 | 1950 | 2450 | 300 | 350 | 400 | 480 | 550 |
| Audible Noise | | < 65 dBA (At 1 M) | | | | | | < 67 dBA (At 1 M) | | | | | | < 65 dBA (At 1 M) | | | | |
| Temperature | | 0 – 40°C (32 – 104°F) | | | | | | | | | | | | | | | | |
| Humidity | | 0% - 90% (Non-Condensing) | | | | | | | | | | | | | | | | |
| Altitude | | <1500 M Above Sea Level | | | | | | | | | | | | | | | | |
| EN50091-1,-2 | | YES | | | | | | | | | | | | | | | | |
| Short Circuit Protection | | YES | | | | | | | | | | | | | | | | |
| Lightning / EMC Filter | | MOV / Input&Output (FCC CLASS A) | | | | | | | | | | | | | | | | |
| Galvanic Isolation | | Input&Output true Galvanic isolation | | | | | | | | | | | | | | | | |
| LED,LCD,Buzzer | | YES | | | | | | | | | | | | | | | | |
| Remote Control / Communication Interface | | Monitoring 1~99 UPS simultaneously / Dry contact, RS232, RS485 | | | | | | | | | | | | | | | | |

☆ Different specifications required are available.

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