



SINGLE LINE DIAGRAM

SYSTEM ELECTRICAL CHARACTERISTICS:

| Rating, KVA/KW | 300/270 | 400/360 | 500/450 |
|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Input Voltage | 480VAC, 3PH, 3W+G, 60hz. | 480VAC, 3PH, 3W+G, 60hz. | 480VAC, 3PH, 3W+G, 60hz. |
| Phase Rotation | ABC clockwise | ABC clockwise | ABC clockwise |
| Input Current | 371 amps nominal 453 amps max. | 508 amps nominal 590 amps max. | 656 amps nominal 738 amps max. |
| Output Voltage | 480VAC, 3PH, 3or4W+G, 60hz. | 480VAC, 3PH, 3or4W+G, 60hz. | 480VAC, 3PH, 3or4W+G, 60hz. |
| Output Current | 361 amps | 481 amps | 601 amps |
| DC Float Voltage | 545 VDC | 545 VDC | 545 VDC |
| DC Nominal Voltage | 480 VDC | 480 VDC | 480 VDC |
| DC Cut-off Voltage | 400 VDC | 400 VDC | 400 VDC |
| DC Current (max) | 721 amps | 962 amps | 1195 amps |
| Q1 Rating | 1000AT/1200AF | 1000AT/1200AF | 1000AT/1200AF |
| Q5N, SW | 800AT/800AF | 800AT/800AF | 800AT/800AF |
| QF1 Rating | 700AT/1000AF | 1000AT/1000AF | 1200AT/1200AF |

- 8.4 The UPS is equipped with this bonding jumper to meet NEC Article 250-5(D) and 250-26. Refer to MGE document 9110000.000 for the use or removal of this jumper.
- 8.3 Input and Bypass shall not be provided from a corner-grounded delta system.
- 8.2 Customer must be responsible for connecting all MGE-supplied cables and where indicated, must be responsible to provided some cable. Battery voltage drop shall be kept to less than 1% based on the battery disconnect rating.
- 8.1 Follow th NEC (National Electrical Code) and other applicable local codes.

NOTES FOR SHEETS 8, 9, 10 & 11

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| TITLE: | MGE EPS 7000 MULTI MODULE 300/400/500KVA SYSTEM INSTALLATION SINGLE-LINE DIAGRAM | DWG NO: | 90-134051-01-SD | REV | B04 |
| PROJECT: | STD SUBMITTAL DRAWINGS | SHEET | 1 OF 1 | APPROVED: | LNA |
| DRAWN: | C KRISHNA | 19-AUG-12 | ENGINEER: | LG | 19-AUG-12 |
| PROJ. ANGLE | N/A | | | | |