

Notes:

- 1) UPS ships with Inputs 1 and 2 jumpered for single input use. Remove jumpers for dual input applications..
- 2) Battery connections consist of +, - and N (center tap).
- 3) Maximum of 3 power modules for capacity or N+1 for redundancy may be used in the UPS. All modules power ratings must be the same. Both 15kVA and 20kVA modules may not be used in the same UPS cabinet at the same time.

X-TREME
Power Conversion®

PROJECT

M90U

TITLE

M90LU One-Line Diagram

APPROVED

CHECKED

DRAWN

JB

5/6/2021

SIZE

A

CODE

DWG NO

M90LU-OND-208-208

REV

0

SCALE 1:1


WEIGHT

SHEET 1/2

| | | | | | | | |
|---------------------------|----------------|---|-----------|-----------|-----------|-----------|-----------|
| UPS Rating | kVA | 15 | 20 | 30 | 40 | 45 | 60 |
| | kW | 15 | 20 | 30 | 40 | 45 | 60 |
| Voltage | Input | 208 | 208 | 208 | 208 | 208 | 208 |
| | Output | 208 | 208 | 208 | 208 | 208 | 208 |
| AC Rectifier Input (A) | Nom | 45 | 60 | 91 | 121 | 136 | 181 |
| | Max | 51 | 66 | 102 | 132 | 153 | 199 |
| | Rec OCPD | 60 | 75 | 125 | 175 | 175 | 250 |
| AC Bypass Input (A) | Nom | 42 | 56 | 83 | 111 | 125 | 167 |
| | Max | 42 | 56 | 83 | 111 | 125 | 167 |
| | Rec OCPD | 60 | 70 | 125 | 150 | 175 | 225 |
| Battery | Nominal VDC | +/- 120 | +/- 120 | +/- 120 | +/- 120 | +/- 120 | +/- 120 |
| | Max DC Current | 82 | 109 | 163 | 218 | 245 | 327 |
| AC Output (A) | Nom | 42 | 56 | 83 | 111 | 125 | 167 |
| | Rec OCPD | 60 | 70 | 125 | 150 | 175 | 225 |
| BTU @ full load | BTU/Hr | 3264 | 4357 | 6534 | 8711 | 9800 | 13068 |
| Approx UPS Weight | lbs (kg) | 301 (137) | 301 (137) | 375 (170) | 375 (170) | 449 (204) | 449 (204) |
| Dimensions | Inches (mm) | 23.6W x 39.4D x 30H (600W x 1001D x 762H) | | | | | |

Notes:

- 1) Manufacturer recommends sizing all cables and overcurrent protection for maximum kVA of the UPS cabinet being installed to allow for future expansion.
- 2) UPS must be installed in accordance with all local, state and national electrical codes.
- 3) An input neutral connection is required for this UPS.
- 4) Neutral conductors are considered current carrying conductors. Refer to NFPA 70 tables and notes for neutral conductors.
- 5) Ground conductor to be sized per NFPA 70 250.66.
- 6) Max currents are based on nominal current plus max battery charge current and are not considered continuous per NEC code.

| | | | | |
|---|-------------------------|-----------|-------------------|-----------|
|  | PROJECT M90U | | | |
| | TITLE M90LU One-Line | | | |
| APPROVED | SIZE | CODE | DWG NO | REV |
| CHECKED | A | | M90LU-OND-208-208 | 0 |
| DRAWN | 10/18/2021 | SCALE 1:1 | WEIGHT | SHEET 2/2 |