

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

PROJECT

M90U

TITLE

M90U One-Line Diagram

APPROVED

CHECKED

DRAWN

JB

10/18/2021

SIZE

A

CODE

DWG NO

M90U-OND-208-208

REV

1

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)	556 (253)	556 (253)	628 (285)	628 (285)	670 (305)	670 (305)
Battery Module Weight	lbs (kg)	68lbs (30.9kg) per battery module. See order for number of modules purchased if applicable.					

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