



- Notes:
- 1) UPS ships with Inputs 1 and 2 jumpered for single input use. Remove jumpers for dual input applications.
  - 2) Internal or external batteries are available.
  - 3) Battery connections consist of +, - and N (center tap).
  - 4) Maximum of 4 power modules 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.
  - 5) Optional external battery system. Consult factory to confirm if internal batteries can be used with external system.

<b>X-TREME</b>	PROJECT M90-80			REV 0
	TITLE M90-80 One-Line Diagram			
APPROVED	SIZE A	CODE	DWG NO M90-80-OND-208-208	
CHECKED				
DRAWN JB	5/6/2021	SCALE 1:1	WEIGHT	SHEET 1/2



UPS Rating	kVA	15	20	30	40	45	60	80	90	100	105	120	140
	kW	13.5	18	27	36	40.5	54	72	81	90	94.5	108	126
Voltage	Input	208	208	208	208	208	208	208	208	208	208	208	208
	Output	208	208	208	208	208	208	208	208	208	208	208	208
AC Rectifier Input (A)	Nom	41	54	82	109	122	163	217	246	270	287	324	378
	Max	47	60	93	120	140	180	240	282	300	329	360	420
	Rec OCPD	60	70	125	150	175	225	300	350	350	400	450	500
AC Bypass Input (A)	Nom	42	56	83	111	125	167	167	252	280	294	336	392
	Max	42	56	83	111	125	167	223	252	280	294	336	392
	Rec OCPD	60	70	125	150	175	225	300	350	350	400	450	500
Battery	Nominal VDC	+/- 120	+/- 120	+/- 120	+/- 120	+/- 120	+/- 120	+/- 120	+/- 120	+/- 120	+/- 120	+/- 120	+/- 120
	Max DC Current	75	98	150	196	225	294	392	450	490	525	588	686
AC Output (A)	Nom	42	56	83	111	125	167	223	252	280	294	336	392
	Rec OCPD	60	70	125	150	175	225	300	350	350	400	450	500
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.

	PROJECT M90-80				
	TITLE M90-80 One-Line				
APPROVED	SIZE	CODE	DWG NO	REV 0	
CHECKED	A		M90-80-OND-208-208		
DRAWN	JB	5/6/2021	SCALE 1:1	WEIGHT	SHEET 2/2

