

Notes:

- 1) UPS ships with Rectifier and Static Bypass Inputs jumpered for single input use. Remove jumpers for dual input applications..
- 2) Battery connections consist of +, - and N (center tap).
- 3) Maximum of 10 power modules for capacity or redundancy may be used in the UPS. All modules power ratings must be the same. Both 50kVA and 70kVA modules may not be used in the same UPS cabinet at the same time.



PROJECT

X90 10-Slot

TITLE

X90-10S One-Line Diagram

APPROVED

CHECKED

DRAWN

JB

2/7/2022

SIZE

A

CODE

DWG NO

X90-10S-OND-480-480

REV

2

SCALE 1:1


WEIGHT

SHEET 1/2

UPS Rating	kVA	300	350	400	420	450	490	500	560	630	700
	kW	300	350	400	420	450	490	500	560	630	700
Voltage	Input	480	480	480	480	480	480	480	480	480	480
	Output	480	480	480	480	480	480	480	480	480	480
AC Rectifier Input (A)	Nom	374	436	499	524	561	611	623	698	785	873
	Max	436	488	582	586	655	684	727	781	879	977
	Rec OCPD	500	600	700	700	700	800	800	1000	1000	1200
AC Bypass Input (A)	Nom	361	421	481	505	541	589	601	674	758	942
	Rec OCPD	450	600	600	700	700	800	800	1000	1000	1200
Battery	Nominal VDC	+/- 240	+/- 240	+/- 240	+/- 240	+/- 240	+/- 240	+/- 240	+/- 240	+/- 240	+/- 240
	Average Current	661	772	882	926	882	1080	1102	1235	1389	1543
	Max DC Current	802	935	1069	1122	1203	1309	1336	1496	1684	1871
AC Output (A)	Nom	361	421	481	505	541	589	601	674	758	942
	Rec OCPD	450	600	600	700	700	800	800	1000	1000	1200
Max BTU @ Full load	BTU/HR	37127	43313	49450	51977	55689	60640	61876	69300	77964	86627
Dimensions (UPS only)	Inches (mm)	35.4W x 42D x 78.7H (899W x 1067D x 2000H)									
Approx UPS Weight	Lbs (kg)	1411 (640)	1307 (593)	1619 (734)	1411 (640)	1723 (782)	1515 (687)	1827 (829)	1619 (734)	1723 (782)	1827 (829)

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) Neutral conductors are considered current carrying conductors. Refer to NFPA 70 tables and notes for neutral conductors.
- 4) Ground conductor to be sized per NFPA 70 250.66.
- 5) Max rectifier input currents are based on nominal current plus max battery charge current and are not considered continuous per NEC code.

		PROJECT X90 10 Slot			
		TITLE X90-10S One-Line			
APPROVED		SIZE	CODE	DWG NO	REV
CHECKED		A		X90-10S-OND-480-480	2
DRAWN	JB	2/7/2022	SCALE 1:1	WEIGHT	SHEET 2/2