


- 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) Optional external battery system. Consult with factory to confirm if internal batteries can be used with external battery system.

<b>X-TREME</b>	PROJECT E91 10-40kVA			REV 0
	TITLE E91 One-Line Diagram			
APPROVED	SIZE A	CODE	DWG NO E91-OND-208-208	
CHECKED				
DRAWN JB	8/24/22	SCALE 1:1	WEIGHT	SHEET 1/2

UPS Rating	kVA	10	15	20	30	40
	kW	10	15	20	30	40
Voltage	Input	208	208	208	208	208
	Output	208	208	208	208	208
AC Rectifier Input (A)	Nom	30	45	60	89	119
	Max	33	48	63	96	125
	Rec OCPD	40	60	80	125	150
AC Bypass Input (A)	Nom	28	42	56	83	111
	Max	28	42	56	83	111
	Rec OCPD	40	60	70	125	150
Battery	Nominal VDC	+/- 120	+/- 120	+/- 120	+/- 120	+/- 120
	Max DC Current	54	80	107	161	215
AC Output (A)	Nom	28	42	56	83	111
	Rec OCPD	40	60	80	125	150
BTU @ full load	BTU/Hr	2177	3265	4353	6530	8707
Approx UPS Weight	(lbs)	315	504	510	690	831

Notes:

- 1) UPS must be installed in accordance with all local, state and national electrical codes.
- 2) An input neutral connection is required for this UPS.
- 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 currents are based on nominal current plus max battery charge current and are not considered continuous per NEC code.
- 6) Manufacturer recommends that flexible metal conduit or liquid tight flexible metal conduit is used for installation for access during maintenance as allowed for by NFPA 70.

	PROJECT E91 10-40kVA			
	TITLE E91 One-Line Diagram			
APPROVED	SIZE	CODE	DWG NO	REV
CHECKED	A		E91-OND-208-208	-
DRAWN	JB	7/2/2021	SCALE 1:1	WEIGHT
				SHEET 2/2