

## Domestic 208V Site Planning Data Sheet

UPS 20,30, 40, 60, & 80kVA, 50/60Hz

Part Number	UPS Rating		Voltage		AC input				Battery			AC Output		Mechanical Data			
	kVA	kW	Input	Output	Current A Nom. Max	Rec. Ext.	Min.	Float	Max.	Discharge	Nom.	OCPD	Dimensions (WDH in)	Weight (lbs)	Heat Dis. BTU/Hr	Cooling Air CFM (m3/Hr)	
SU20K3/3	20	16	208/ 60Hz	120/208	53A 60A	70A	6 AWG	274	17.8	89A	56A	70A	19.3 x 36 x 35.3	520	6743	482 (820)	
SU20K3/3XR5	20	16	208/ 60Hz	120/208	53A 60A	70A	6 AWG	274	17.8	89A	56A	70A	19.3 x 36 x 48.5	935	6743	482 (820)	
SU30K3/3	30	24	208/ 60Hz	120/208	79A 90A	100A	4 AWG	274	26.7	133A	83A	100A	19.3 x 36 x 35.3	662	10115	587 (998)	
SU30K3/3XR5	30	24	208/ 60Hz	120/208	79A 90A	100A	4 AWG	274	26.7	133A	83A	100A	19.3 x 36 x 48.5	935	10115	587 (998)	
Modular Series																	
SU40K	40	32	208/ 60Hz	120/208	97A 112A	150A	2 AWG	+/- 274	34.8	87A	111A	150A	20.5 x 33.7 x 66.9	1,504	9332	1699(2889)	
SU60K	60	48	208/ 60Hz	120/208	145A 168A	225A	000 AWG	+/- 274	52.2	130A	167A	225A	20.5 x 37.7 x 66.9	1,178	13998	2632(4474)	
SU60KTV	60	48	480/60Hz	277/480	63 73	100A	3AWG	+/- 274	52.2	130A	72A	100A	20.5 x 33.7 x 66.9	1,168	13175	2632(4474)	
SU80K	80	64	208/ 60Hz	120/208	193A 222A	300A	0000 AWG	+/- 274	69.6	174A	222A	300A	20.5 x 41.7 x 66.9	1,296	18621	3112(5290)	
SU80KTV	80	64	480/60Hz	277/480	84A 97A	125A	1 AWG	+/- 274	69.6	174A	96A	125A	20.5 x 33.7 x 66.9	1,286	17567	3112(5290)	
See Notes for Table Below:					1	2,3,4,5	6	3,4	7	1,3,4,5	1,3,4,5	6	8	8			

### Notes For Table

- 1) Nominal (Nom) current is based on full rated output load.
- 2) Maximum (Max) current is of short duration for battery recharge.
- 3) Input, Bypass and output cables to be run in separate conduit. Not more than 3 conductors in raceway assumed; ambient temperature of 86F.
- 4) Wiring Requirements: (Copper conductors. Consult NEC handbook and local codes)
  - AC input: 3-phase 4 wire, Plus Ground
  - AC output: 3-phase 4 wire, Plus Ground
  - AC output: 1-phase 2 wire, Plus Ground (for N-series 3/1 model)
- 5) Control and power wiring must be run in separate conduit.
- 6) Over Current Protection Device (OCPD) recommended represents 125% of nominal full load current (continuous) per NEC 215.
- 7) Nominal battery voltage is shown at 2.0 volts/cell per NEC 480-2
- 8) Dimensions and weight do not include battery module.
- 9) All wiring is to be in accordance with national and local electric codes.
- 10) Minimum access clearance is 3ft. front, 1in. Sides, 6in. Rear, and 24 in. top.
- 11) It is recommended that 5 ft. of flex cable be installed for AC input and output for ease of access and maintenance.
- 12) Minimum sized grounding conductors to per per NEC 250-122. Parity-Sized ground conductors are recommended. Neutral conductors to be sized for full capacity per NEC 310-15(b)(4). References are per NEC 1999.
- 13) Cable entry from lower rear or lower front of UPS.
- 14) If site conditions include a generator consult generator manufacturer for required generator options and sizing.
- 15) If site configuration requires an external maintenance bypass care must be taken to ensure phase parity between UPS input and UPS bypass. Consult Tripp Lite applications engineer.
- 16) **RATINGS FOR OVERCURRENT DEVICES AND CABLES SUPPLIED IN THIS DOCUMENT IS FOR INFORMATIONAL PURPOSES ONLY. USER SHOULD CONSULT WITH ITS ENGINEERING SERVICES BEFORE ADOPTING.**



Tripp Lite  
 1111 W. 35th St.  
 Chicago, IL. 60609  
 Ph: 773-869-1111  
[www.tripplite.com](http://www.tripplite.com)