

1100A FACILITY PLANNER

10/20/30/40/50KVA UPS (208 WYE IN/208 WYE OUT 60 HZ)



1100A UPS RATING (KVA)/(KW)	1100A UPS MAIN INPUT DATA				1100A UPS BYPASS INPUT DATA			1100A UPS OUTPUT DATA	
	UPS INPUT kVA Nom/Max	UPS INPUT kW Nom/Max	UPS INPUT CURRENT Nom/Max (A)	UPS MAIN EXTERNAL OVERCURRENT PROTECTION TRIP (A)	UPS BYPASS CURRENT (A)	UPS BYPASS EXTERNAL OVERCURRENT PROTECTION TRIP (A)	UPS OUTPUT CURRENT Nom/Max (A)	UPS OUTPUT EXTERNAL OVERCURRENT PROTECTION TRIP (A)	
10/9	11/12.3	9.76/12.1	31/34.1	40	28	40	28/42	40	
20/18	22/24.2	19.5/23.7	61/67.1	80	55	80	55/82.5	80	
30/27	33/36.4	29.3/35.7	91.5/101	110	83	110	83/124.5	110	
40/36	44/48.3	39.0/47.3	122/134	150	111	150	111/166.5	150	
50/45	56/61.2	48.9/60	155/170	225	138	225	138/207	225	
NOTES	1,2,3,4	1,2,3,4	5	2,6,7	7	2,6,7	10,11,12	2,8	

UPS RATING (KVA)	BATTERY SYSTEM DATA		MECHANICAL DATA				
	BATTERY SYSTEM OUTPUT CURRENT AT 240VDC END VOLTAGE (A)	BATTERY CABINET OVERCURRENT PROTECTION TRIP (A)	DIMENSIONS (W X D X H) (INCHES)	WEIGHT NOMINAL/WITH BATTERIES (LBS)	Max Elevation (Ft) / Max Temp (°F)	DISTRIBUTED FLOOR LOADING NOMINAL/WITH BATTERIES (LBS/FT²)	POINT LOADING NOMINAL/WITH BATTERIES (LBS/FT²)
10	40	50	19.7 X 27.0 X 55.1	290/685	7400 / 104	79/185	6,264/14,797
20	80.6	90	19.7 X 27.0 X 55.1	335/730	7400 / 104	91/198	7,236/15,769
30	120.2	125	19.7 X 27.0 X 55.1	380/NA	7400 / 104	103/NA	8,208/NA
40	161.2	175	19.7 X 27.0 X 55.1	420/NA	7400 / 104	114/NA	9,072/NA
50	201.6	200	19.7 X 27.0 X 55.1	465/NA	7400 / 104	126/NA	10,045/NA
NOTES	2,9	2		2			15

UPS RATING (KVA)	HEAT LOSS AND AIR FLOW						
	HEAT REJECTION (kBTU/Hr)			EFFICIENCY (%)			RECOMMENDED ROOM AIR FLOW REQUIREMENTS (CFM)
	100%	75%	50%	100%	75%	50%	
10	2.6	1.9	1.4	92.2	92.4	92.4	300
20	5.1	3.7	2.5	92.3	92.6	92.5	600
30	7.7	5.4	3.7	92.3	92.8	92.6	800
40	10.4	7.2	4.8	92.2	92.8	92.7	1,100
50	13.0	8.7	5.7	92.1	92.8	92.9	1,400
NOTES	13,14						16

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NOTES

1. Acceptable inverter voltage range is 208/120 VAC Y, +15%, -30%, Bypass 208/120Y VAC \pm 10%.
2. Install and ground the UPS system in accordance with NFPA 70 National Electrical Code and all federal, state and local regulations.
3. UPS main input and bypass frequency: 60Hz \pm 10%.
4. UPS input power factor: 0.98 at 100% load and 0.98 at 50% load. The UPS input power factor is independent of the UPS output (load) power factor.
5. The nominal current is continuous and is based on 100% load. The maximum current includes the nominal input current at 100 % load and the non-continuous battery recharge current.
Consult factory before operating at the maximum current.
6. Power main input and bypass feeder inputs (provided by others) from separate overcurrent protection devices. Main input overcurrent protection devices are sized based on the maximum current which includes the maximum battery charging current.
7. Main Input and bypass input are 3-phase, 4-wire plus ground.
8. UPS output overcurrent protection device is provided by others. UPS output cables are to be run conduits separate from the input and bypass cables: 3-phase, 4-wire plus ground.
9. Consult the factory when using a non-lead acid battery stored energy system.
10. UPS inverter output voltage regulation: \pm 1% balanced load, \pm 2% unbalanced load.
11. UPS output total harmonic voltage distortion (THDv): \leq 2% at 100% linear load and 5% at 100% nonlinear load.
12. Maximum load crest factor: 2.5.
13. The specified heat losses are only for the UPS module. Peripheral equipment heat losses must be considered separately.
14. Maintain clearances per the UPS installation drawing. Minimum overhead clearance: 16 inches.
15. Use point loading with raised-floor installations.
16. Room airflow requirement is the recommended airflow required through a room to maintain UPS operation temperatures when a UPS is exhausting air back into the room.