

# 9900CX FACILITY PLANNER

1050/1400/1500/1750/2100 UPS  
480VIN/480VOUT 60 HZ 0.95 PF



UPS MAIN INPUT DATA					UPS BYPASS INPUT DATA		UPS OUTPUT DATA	
UPS OUTPUT POWER RATING (KVA)/(KW)	UPS INPUT POWER (KW)	UPS INPUT NOM/MAX (KVA)	UPS INPUT CURRENT NOM/MAX (A)	MAIN (BIN) EXTERNAL OVERCURRENT PROTECTION TRIP (A)	UPS BYPASS CURRENT (NOM) (A)	UPS BYPASS EXTERNAL OVERCURRENT PROTECTION TRIP (A)	UPS OUTPUT CURRENT NOM/MAX (A)	UPS OUTPUT EXTERNAL OVERCURRENT PROTECTION TRIP (A)
1050/1000	1038	1050/1196	1263/1438	1600 (100% Rated)	1263	1600 (100% Rated)	1263/1895	1600 (100% Rated)
1400/1333	1374	1374/1564	1651/1881	2000 (100% Rated)	1684	2000 (100% Rated)	1684/2526	2000 (100% Rated)
1500*/1500*	1550	1550/1705	1864/2050	2000 (100% Rated)	1804	2000 (100% Rated)	1804/2706	2000 (100% Rated)
1750/1666	1717	1734/1975	2085/2375	2500 (100% Rated)	2105	2500 (100% Rated)	2105/3157	2500 (100% Rated)
2100/2000	2065	2085/2374	2507/2855	3000 (100% Rated)	2526	3000 (100% Rated)	2526/3789	3000 (100% Rated)
NOTES	1, 2, 3, 4		5	2, 6, 7	7	2, 6, 7	10, 11, 12	2, 8

UPS OUTPUT POWER RATING (KVA)/(KW)	BATTERY SYSTEM DATA		HEAT LOSS AND AIR FLOW		
	BATTERY SYSTEM OUTPUT CURRENT AT 400VDC END VOLTAGE (A)	BATTERY CABINET OVERCURRENT PROTECTION TRIP (A)	HEAT REJECTION 100% (kBTU/Hr)	EFFICIENCY 100% LOAD (PERCENT)	AIR FLOW REQUIREMENTS (CFM)
1050/1000	2593	600	112.6	96.8	13,660
1400/1333	3457	800	150.0	96.8	18,210
1500*/1500*	3890	800	170.6	96.8	19,510
1750/1666	4321	800	187.5	96.8	22,760
2100/2000	5208	800	236.6	96.8	27,310
NOTES	2, 9, 16	2	13, 14		

UPS RATING (KVA)	MECHANICAL DATA					
	DIMENSIONS (W X D X H) (IN)	WEIGHT (LBS)	MAX ELEVATION (FT)	MAX TEMPERATURE (F)	DISTRIBUTED FLOOR LOADING (LBS/FT <sup>2</sup> )	POINTS LOADING (LBS/FT <sup>2</sup> )
1050	118.2 X 35.5 X 80.7	6,600	6,500	104	227	2,545
1400	167.3 X 35.5 X 80.7	9,180	6,500	104	232	2,545
1500*	190.9 X 35.5 X 80.7	11,110	6,500	104	241	2,545
1750	198.8 X 35.5 X 80.7	11,720	6,500	104	241	2,545
2100	222.4 X 35.5 X 80.7	13,530	6,500	104	247	3,039
NOTES						15

\*1500 kVA is 1.0 PF

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## NOTES:

1. Acceptable input and bypass voltage range is 480VAC, +15%, -20%.
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: 0.99 at 100% load and 0.99 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, 3-wire plus ground. UPS cable entry cabinet has top or bottom conduit entry.
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, 3-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  $\leq$ 5% at 100% nonlinear load.
12. Maximum load crest factor: 2.3.
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: 23.6 inches.
15. Use point loading with raised-floor installations.
16. Actual test values.

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