

# 9900D FACILITY PLANNER

1200/1250/1500/1600/2000 KVA UPS (480VIN/480VOUT 60 HZ)



9900D UPS RATING (KVA)/(kW)	9900D UPS MAIN INPUT DATA				9900D UPS BYPASS INPUT DATA		9900D 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)
1200/1200	1262/1320	1249/1307	1518/1588	1600 (100% Rated)	1443	1600 (100% Rated)	1443/2165	1600 (100% Rated)
1250/1250	1315/1320	1302/1307	1582/1588	1600 (100% Rated)	1504	1600 (100% Rated)	1504/2165	1600 (100% Rated)
1500/1500	1578/1650	1562/1634	1898/1985	2000 (100% Rated)	1804	2000 (100% Rated)	1804/2706	2000 (100% Rated)
1600/1600	1683/1760	1666/1742	2025/2117	2500 (100% Rated)	1925	2000 (100% Rated)	1925/2887	2000 (100% Rated)
2000/2000	2104/2200	2083/2178	2531/2646	3000 (100% Rated)	2406	2500 (100% Rated)	2406/3608	2500 (100% Rated)
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 400VDC END VOLTAGE (A)	BATTERY CABINET OVERCURRENT PROTECTION TRIP (A)	DIMENSIONS (W X D X H) (INCHES)	WEIGHT (LBS)	Max Elevation (Ft) / Max Temp (°F)	DISTRIBUTED FLOOR LOADING (LBS/FT²)	POINT LOADING (LBS/FT²)
1200	3109	3000	133.9 x 35.4 x 80.7	7,341	6500 / 104	228	1903
1250	3238	3000	133.9 x 35.4 x 80.7	7,341	6500 / 104	228	1903
1500	3886	4000	169.3 x 35.4 x 80.7	9,751	6500 / 104	263	1970
1600	4145	4000	169.3 x 35.4 x 80.7	9,751	6500 / 104	263	1970
2000	5181	5000	192.9 x 35.4 x 80.7	11,508	6500 / 104	267	1929
NOTES	2,9	2					15

UPS RATING (KVA)	HEAT LOSS AND AIR FLOW			
	HEAT REJECTION at 100% LOAD (kBTU/Hr)	EFFICIENCY at 100% LOAD (%)	UPS AIRFLOW (CFM)	RECOMMENDED ROOM AIR FLOW REQUIREMENTS (CFM)
1200	135.4	96.8	3900	15430
1250	141.0	96.8	3900	16070
1500	163.7	96.9	5200	18670
1600	174.6	96.9	5200	19910
2000	218.3	96.9	6500	24890
NOTES	13,14		16	17

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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. UPS airflow is the volume of air per unit of time moving through the UPS propelled by the fans.
17. 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.