9900B FACILITY PLANNER 300/500/750 KVA UPS (480VIN/480VOUT 60 HZ)

MITSUBISHI ELECTRIC
UNINTERRUPTIBLE POWER SUPPLIES

9900B UPS RATING (KVA)/(kW)	9900B UPS MAIN INPUT DATA				9900B UPS BYPASS INPUT DATA		9900B 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)
300/300	313/345	313/342	377/415	600	361	500	361/538	500
500/500	522/574	520/568	628/691	800 (100% Rated)	601	800	601/895	800
750/750	783/862	778/853	942/1037	1200 (100% Rated)	902	1200	902/1344	1200
NOTES	*1,2,3,4*	*1,2,3,4*	*5*	*2,6,7*	*7*	*2,6,7*	*10,11,12*	*2,8*

	BATTERY SYSTEM DATA		MECHANICAL DATA				
UPS RATING (KVA)	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)
300	780	400	55.1 x 32.7 x 80.7	2,360	7400 / 104	189	2,098
500	1299	600	88.3 x 32.7 x 80.7	3,605	7400 / 104	181	2,030
750	1943	600	169.3 x 35.4 x 80.7	4,525	7400 / 104	182	1,405
NOTES	*2,9*	2					*15*

	HEAT LOSS AND AIR FLOW							
UPS RATING (KVA)	HEAT REJECTION (kBTU/Hr) 100%	75%	50%	EFFICIENCY (%) 100%	75%	50%	UPS AIRFLOW (CFM)	RECOMMENDED ROOM AIR FLOW REQUIREMENTS (CFM)
300	42.68	30.35	20.23	96.0	96.2	96.2	2,200	4,100
500	69.28	49.20	32.80	96.1	96.3	96.3	4,400	6,800
750	98.39	69.66	46.44	96.3	96.5	96.5	6,600	8,800
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 ± 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: ±1% balanced load, ±2% unbalanced load.
11. UPS output total harmonic voltage distortion (THDv): ≤2% at 100% linear load and ≤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.

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