

SUMMIT SERIES[®] FACILITY PLANNER

500/750KVA UPS (480VIN/480VOUT 60 HZ)



SUMMIT UPS RATING (KVA)/(kW)	SUMMIT UPS MAIN INPUT DATA				SUMMIT UPS BYPASS INPUT DATA		SUMMIT 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)
500/500	512/562.8	507/557.2	615/677	800 (100% RATED)	601	800	601/895.5	800
750/750	768/843.9	760/835.5	923/1,015	1,200 (100% RATED)	902	1,200	902/1344	1,200
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/FT ²)	POINT LOADING (LBS/FT ²)
500	1,282	600	79.4 X 33.5 X 80.4	3,072	7400 / 104	200	2,030
750	1,923	600	101.8 X 33.5 X 80.6	4290	7400 / 104	200	1,535
NOTES	2,9	2					15

UPS RATING (KVA)	HEAT LOSS AND AIR FLOW							
	HEAT REJECTION (kBTU/Hr)			EFFICIENCY (%)			UPS AIRFLOW (CFM)	RECOMMENDED ROOM AIR FLOW REQUIREMENTS (CFM)
	100%	75%	50%	100%	75%	50%		
500	42.0	26.1	17.4	97.6	98.0	98.2	4400	4830
750	62.9	39.2	26.1	97.5	97.9	98.0	6600	7244
NOTES	13,14						17	18

NOTES

- Acceptable input and bypass voltage range is 480VAC, +15%, -20%
- Install and ground the UPS system in accordance with NFPA 70 National Electrical Code and all federal, state and local regulations.
- UPS main input and bypass frequency: 60Hz ± 10%.
- 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: 2.1.
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. Includes cable entry cabinet..
17. UPS airflow is the volume of air per unit of time moving through the UPS propelled by the fans.
18. 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.