

9900AEGIS FACILITY PLANNER 80/100/150/160/225 KVA UPS (480VIN/480VOUT 60 HZ)



9900AEGIS UPS RATING (KVA)/(kW)	9900AEGIS UPS MAIN INPUT DATA				9900AEGIS UPS BYPASS INPUT DATA		9900AEGIS 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)
80/72	75/82.3	74.5/81.5	90/99	125	96	125	96/144	125
100/90	94/103.3	93.2/102.3	113/124	150	120	150	120/180	150
150/135	141/155.5	139.8/153.9	170/187	225	180	225	180/270	225
160/144	151/166.4	149.4/164.7	182/200	250	192	250	192/288	250
225/202.5	211/232.3	209.1/230	254/279	350	270	350	270/405	350
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)	
				Standard	Enviro-Mode		Standard	Enviro-Mode	Standard	Enviro-Mode
80	184	200	27.6 X 32.8 X 80.6	772	801	7400 / 104	128	133	598	622
100	232	225	27.6 X 32.8 X 80.6	772	801	7400 / 104	128	133	598	622
150	351	350	27.6 X 32.8 X 80.6	860	893	7400 / 104	143	148	666	693
160	375	400	27.6 X 32.8 X 80.6	860	893	7400 / 104	143	148	666	693
225	523	500	35.4 X 32.8 X 80.6	1,080	1,119	7400 / 104	139	144	836	869
NOTES	2,9	2	16	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%			
80	8.6	6.9	5.7	96.6	96.4	95.6	2200	1,400	
100	10.8	8.4	6.2	96.6	96.5	96.1	2200	1,700	
150	16.7	12.5	8.8	96.5	96.6	96.3	2200	2,000	
160	18.3	13.0	9.1	96.4	96.5	96.3	2200	2,100	
225	22.8	16.6	11.4	96.8	96.9	96.8	2200	2,900	
NOTES	13,14						17	18	

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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: 20 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.