



UNINTERRUPTIBLE POWER SUPPLIES

## Facility Planning Data Sheet

### 9900AEGIS/80,100,150,160,225kVA/480V Input-480V Output/60Hz

9900AEGIS UPS MAIN INPUT DATA				9900AEGIS UPS BYPASS INPUT DATA		9900AEGIS UPS OUTPUT DATA		BATTERY SYSTEM DATA	
UPS RATING (KVA)/(kW)	UPS INPUT POWER (kVA)/(kW)	UPS INPUT CURRENT NOM/MAX (A)	MAIN (BIN) EXTERNAL OVERCURRENT TRIP PROTECTION (A)	UPS BYPASS CURRENT (A)	UPS BYPASS EXTERNAL OVERCURRENT TRIP PROTECTION (A)	UPS OUTPUT CURRENT (A)	UPS OUTPUT EXTERNAL OVERCURRENT TRIP PROTECTION (A)	BATTERY SYSTEM OUTPUT CURRENT AT 400VDC END VOLTAGE (A)	BATTERY CABINET OVERCURRENT TRIP PROTECTION (A)
80/72	75/74.5	90/99	125	96	125	96	125	184	200
100/90	93/93.2	112/123	150	120	150	120	150	232	225
150/135	140/139.8	168/185	225	180	225	180	225	351	350
160/144	148/149.4	178/196	250	192	250	192	250	375	400
225/202.5	209/209.1	251/276	350	270	350	270	350	523	500
NOTES	1,2,3,4	5	2,6,7	7	2,6,7	10,11,12	2,8	2,9	2

MECHANICAL DATA							HEAT LOSS AND AIR FLOW				
UPS RATING (KVA)	DIMENSIONS (W X D X H) (INCHES)	WEIGHT (LBS)		DISTRIBUTED FLOOR LOADING (LBS/FT) <sup>2</sup>		POINT LOADING (LBS/FT) <sup>2</sup>		HEAT REJECTION (kBTU/Hr)			AIR FLOW REQUIREMENTS (CFM)
		Standard Mode	Enviro-	Standard Mode	Enviro-	Standard	Enviro-Mode	100%	75%	50%	
80	27.6 X 32.8 X 80.6	772	801	128	133	598	622	8.6	6.9	5.7	1,400
100	27.6 X 32.8 X 80.6	772	801	128	133	598	622	10.8	8.4	6.2	1,700
150	27.6 X 32.8 X 80.6	860	893	143	148	666	693	16.7	12.5	8.8	2,000
160	27.6 X 32.8 X 80.6	860	893	143	148	666	693	18.3	13.0	9.1	2,100
225	35.4 X 32.8 X 80.6	1,080	1,119	139	144	836	869	22.8	16.6	11.4	2,900
NOTES	16	2				15		13,14			16

**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.





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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.

**QUESTIONS OR NEED TECHNICAL SUPPORT? CONTACT MEPPi AT 724-772-2555**

