

Facility Planning Data Sheet

MGE Galaxy EPS 8000 UPS 555 / 625 / 750 / 800/ 1000 / 1100kVA (480V-480V / 600V-600V)



UPS Rating		UPS AC Input				Battery System				AC Output		Mechanical Data				
		Voltage		Current		Rec. OCPD	Nominal VDC	Battery kW	Max. Current @ Nom. V	Current @ Full Load		Typical Dimensions WxHxD	Average Weight Lbs	Floor Loading Lbs/Ft ²	Heat Rejection BTU/Hr	Cooling Air CFM (m ³ /h)
		Input	Output	Full Load	Max.					Max.	OCPD					
555	499.5	480	480	719	825	1,100	480	500	1,533	668	1,000	122x82x39	12,200	313	125,970	3,000
555	499.5	600	600	575	663	900	480	500	1,533	534	800	122x82x39	12,200	313	125,970	3,000
625	562.5	480	480	817	923	1,200	480	562.5	1,533	752	1,000	122x82x39	12,200	313	133,300	3,000
625	562.5	600	600	654	741	1,000	480	562.5	1,533	601	800	122x82x39	12,200	313	133,300	3,000
750	675	480	480	907	1,043	1,400	480	675	1,766	900	1,200	122x82x39	14,000	359	173,000	3,000
800	720	480	480	1,061	1,134	1,600	480	720	1,884	960	1,200	122x82x39	14,000	359	190,000	3,000
1000	900	480	480	1,300	1,446	2000	480	900	2180	1,203	2000	141.5x90x44	17031	TBA	282,000	5,000
1100	990	480	480	1,438	1,584	2000	480	990	2390	1,323	2000	141.5x90x44	17031	TBA	339,000	5,000

- Input current based on full rated output load.
- Maximum (Max.) current is for duration of battery recharge.
- Input and bypass cables must be run in separate conduits from output cables. Not more than three conductors in raceway assumed; ambient temperature of 88°F assumed.
- If initial load is less than UPS' rated output, it is recommended that AC input, battery, and AC output wiring and overcurrent protection be sized to UPS' full load rating to accommodate possible future expansion.
- Nominal battery voltage is shown at 2.0 volts/cell per NEC 480-2.
- DC cables should be sized for a total maximum of less than 1% of CB rating.
- OCPD = Overcurrent Protection Device. Recommended represents 125% of nominal full load current (continuous) per NEC 215.
- Minimum-sized grounding conductors to be per NEC 250-122. Parity-sized ground conductors are recommended. Neutral conductors to be sized for full capacity per NEC 310-15(b)(4).
- Wiring requirements:
 - AC Input/Output: 3Ø, 3 or 4 wire + ground, depending on UPS configuration.
See Installation Manual and submittal drawings for specific instructions.
 - DC Input: 2 wire (positive and negative) + ground

- All wiring to be in accordance with all applicable national and/or local electrical codes.
- Minimum access clearance per UPS drawings.
- Top or bottom cable entry through removable access plates. Punch plates to suit conduit size, then replace.
- Control wiring and power wiring must be run in separate conduit.
- Weights and dimensions shown do not include battery cabinet(s), distribution cabinet(s), or other options.
- Backup emergency generator must be properly sized for UPS application and equipped with an isochronous governor for frequency regulation, and a UPS-compatible voltage regulator for voltage stability.
- If site configuration requires an external maintenance bypass, phase parity between UPS input and UPS bypass must be ensured. Consult MGE applications engineer.
- References are per NEC 1999. Consult local codes for possible variations.

Additional Notes:

A. Temperature rating of conductors: 90°C (194°F). Reference NEC Table 310-16, 75°C column, using copper conductors. 75°C (167°F) cable terminal conductors assumed.

RATINGS OF CABLES AND OVERCURRENT DEVICES SUPPLIED FOR INFORMATION ONLY. USER TO CONSULT WITH THEIR ENGINEERING SERVICES BEFORE ADOPTING.