



# MGE Galaxy 5000

40/50/60/80/100/130 kVA

The recommended power protection for all critical applications



## MGE Galaxy 5000 features

- 1 IGBT-based technology for power quality**  
 Supplies clean, stable power to sensitive loads, ensuring critical power protection, optimum performance, and extended life
- 2 Dual input**  
 Allows for connection to two separate input sources for increased availability
- 3 Parallel operation**  
 Connect as many as six units in parallel for capacity and redundancy to grow with your power requirements
- 4 Redundant components**  
 Provides increased backup for greater reliability and ensures continuous operation
- 5 Built-in static and maintenance bypass**  
 Enables the UPS to transfer the load to utility power, without interruption, in the event of heavy overload or fault



## Technical specifications

Rated power (kVA/kW)	40/36	50/45	60/54	80/72	100/90	130/117
<b>Normal AC supply input</b>						
Input voltage (V)	480 V core, 3 wire + G (220 V, 208 V, 600 V w/ aux transformer 4 wire + G)					
Frequency (Hz)	60 Hz +/-5%					
Input power factor	>.99 at full load					
THDI	<5% at full load					
Input voltage tolerance utility operation	480 V core (166 – 600 V with aux transformer)					
Dual mains input	Yes					
Input voltage tolerance bypass	+10% standard +4, 6, 8, 10% (programmable)					
Back-feed protection	Built-in back-feed contactor					
<b>Output</b>						
Nominal output voltage (V)	480 V core, 3 wire + G (220 V, 208 V, 600 V w/ aux transformer 4 wire + G)					
Efficiency at full load (AC-AC)	93%		93.5%		94.5%	
Load power factor	0.5 leading to 0.5 lagging					
Output frequency	Mains synchronized in normal operation 60 Hz + 0.05% free running					
Overload capacity utility operation	125% for 10 minutes, 150% for 60 seconds					
Overload battery utility operation	150% for 60 seconds					
VTHD	<1% L-L and L-N for non-linear loads (<2% max)					
Output voltage tolerance	+1% static, +5% at 100% load step					
<b>Communication and management</b>						
Control panel	Multi-function LCD, status, and control console					
<b>Dimensions and weights</b>						
UPS	76" H x 28" W x 33" D all kVA ranges Weights minimum: 20 – 60 kVA 881 lb., 80 – 130 kVA 1,147 lb. Weights maximum: 20 – 60 kVA 2,149 lb., 80 – 130 kVA 2,314 lb.					
Top entry cabinet	75" H x 14" W x 33.42" D					
Battery cabinet	75" H x 26" W x 33.42" D					
Battery cabinet	75" H x 32" W x 33.42" D					
Battery cabinet	75" H x 48" W x 33.42" D					
Matching maintenance bypass	75" H x 28" W x 33.42" D					
Transformer cabinet	75" H x 28" W x 33.42" D					
Distribution cabinet	75" H x 42" W x 33.42" D					
Parallel system bypass cabinet	(480 V Only) 28" or 75" H x 42" W x 33.42" D					
<b>Regulatory</b>						
Safety	UL 1778, ISO9001, FCC class A					
EMC/EMI/RFI	EN50091-2 IEC 62040-2 FCC15A					
Approvals	CE, UL 924 for 40 – 50 kVA battery cabinets					
<b>Environmental</b>						
Storage temperature	-13 °F to 113 °F					
Operating temperature	UPS (32 °F to 104 °F), bat. (66 °F to 77 °F)					
Relative humidity	0 – 95% non-condensing					
Operating elevation	< or = 3,333 feet					
Storage elevation	< or = 40,000 feet					
Max. audible noise at 1 m from unit	65 dBA			63 dBA		