

# Power

for your cable networks and communication systems...

# Solutions

## MG Series Uninterruptible Power Supply



- True online dual conversion technology
- Advanced microprocessor control
- Sine wave output, zero transfer time
- Wide input voltage range
- Transient voltage surge suppress (TVSS)
- Redundant parallel operation\*
- User-friendly bypass protection
- Self-test on startup, input power factor correction
- auto-reset on removal of error
- Versatile LED display
- On-battery startup (DC power-on), generator compatibility
- RS-232 communication interface + Intelligent Slot
- Optional SNMP Adapter for remote status monitoring
- Optional LCD display and parallel connection kit\*

\* Available on certain models only



Options (L to R): MPO Multi-purpose Outlet,  
PowerNET SNMP Adapter.

# MG Series Uninterruptible Power Supply

## Nominal Specifications (1-3KVA models, "L" for extended battery runtime)

Model	MG-1K	MG-2K	MG-3K	MG-1KL	MG-2KL	MG-3KL
<b>Rated Power</b>	1000VA/800W	2000VA/1600W	3000VA/2400W	1000VA/800W	2000VA/1600W	3000VA/2400W
<b>Input</b>						
Voltage	220VAC					
Voltage range	160VAC to 276VAC					
Frequency	50Hz (46Hz to 54Hz)					
Power factor	>0.95					
<b>Output</b>						
Voltage	220VAC					
Voltage regulation	±2% at battery mode					
Frequency	50Hz (±0.5% at battery mode)					
Waveform	Sine wave					
Power factor	0.8					
Harmonic distortion	T.H.D. < 3%					
Load crest ratio	3:1					
Overload capacity	110% to 150% for 30 seconds and over 150% for 300ms					
Efficiency	Better than 93% in line mode and 96% in battery mode					
Transfer characteristic	0ms					
<b>Battery</b>						
Type	Built-in sealed maintenance free (SMF) VRLA battery			External SMF VRLA battery bank(s)		
Voltage	36VDC	72 or 96VDC		36VDC	72 or 96VDC	
Backup time	17 minutes <sup>1</sup> 7 minutes <sup>2</sup>	26 minutes <sup>1</sup> 10 minutes <sup>2</sup>	20 minutes <sup>1</sup> 7 minutes <sup>2</sup>	Depends on capacity of external battery bank(s)		
<b>Environmental</b>						
Operating temperature	0 to 40°C / 32°F to 104°F					
Relative humidity	0 to 95% non-condensing					
<b>Mechanical</b>						
Communication interface	RS-232 and Intelligent Slot					
LED display	Operation mode, line, battery and inverter status, battery voltage, load capacity and visible alarm					
Dimensions (WDH)	MG-1K & MG-1KL: 145x405x220mm MG-2K, MG-2KL, MG-3K & MG-3KL: 92x460x340mm					
Net weight	13KGS	33KGS	34KGS	7.5KGS	15KGS	16KGS

1. Backup time (battery runtime) at half load condition
2. Backup time (battery runtime) at full load condition

## Optional Features



### Multi-purpose Outlet (MPO)

- > 4 independent MCB-controlled sockets
- > Built of durable powder coated material
- > Easy mounting on shelf of GM enclosure
- > Other types of sockets applicable



### PowerNET™ SNMP Adapter

- > Support for HTTP, SNMP and DHCP protocols
- > Support for Telnet and Hyper Terminal
- > Support for automatic startup and show-down
- > Operating status monitoring and display
- > Administration through LAN
- > Fully programmable remote control
- > Multiple-client administration
- > E-mail notification on emergency events
- > Automatic recording history log data

# MG Series Uninterruptible Power Supply

## Nominal Specifications (6-10KVA models, "L" for extended battery runtime)

Model	MG-6K	MG-10K	MG-6KL	MG-10KL	MG-15KL	MG-20KL
<b>Rated Power</b>	6KVA / 4.8KW	10KVA / 8KW	6KVA / 4.8KW	10KVA / 8KW	15KVA / 12KW	20KVA / 16KW
<b>Input</b>						
Voltage	220VAC					
Voltage range	120VAC to 276VAC					
Frequency	50Hz (46Hz to 54Hz)					
Power factor	>0.98 (full load)					
<b>Output</b>						
Voltage	220VAC					
Voltage regulation	±1%					
Frequency	50Hz (adjustable at line mode; ±0.1% at battery mode)					
Waveform	Sine wave					
Power factor	0.8					
Load crest ratio	3:1					
Overload capacity	105% - 130% for 10 minutes; over 130% for 1 minute					
Transfer characteristic	0ms					
<b>Battery</b>						
Type	Built-in sealed maintenance free (SMF) valve regulated lead acide (VRLA) battery			External SMF VRLA battery bank(s)		
Voltage	240VDC(192VDC optional)					
Backup time	20 minutes <sup>1</sup> 7 minutes <sup>2</sup>	13 minutes <sup>1</sup> 5 minutes <sup>2</sup>	Depends on capacity of external battery bank(s)			
<b>Environmental</b>						
Operating temperature	0 to 40°C					
Relative humidity	20% to 95% non-condensing					
<b>Mechanical</b>						
Communication interface	RS-232 and Intelligent Slot					
LCD display (optional)	Input / output voltage, input / output frequency, battery voltage, load capacity and temperature					
LED display	Operation mode, line, battery and inverter status, battery voltage, load capacity and visible alarm					
Dimensions (WDH)	260×570×717mm (10.2"×22.4"×28.2")		260×570×515mm (10.2"×22.4"×20.3")		260×570×717mm (10.2"×22.4"×28.2")	
Net weight	90kgs (198.4lbs)	93kbs (205lbs)	35kgs (77.1lbs)	38kgs (88.8lbs)	55kgs (121.3lbs)	55kgs (121.3lbs)

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