

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
- Versatile LED display
- On-battery startup (DC power-on)
- Input power factor correcting
- RS-232 communication interface + Intelligent Slot
- Optional SNMP Adapter for remote status monitoring
- Optional LCD display and parallel connection kit*

* Only available on MG-6K, MG-6KL, MG-10K and MG-10KL.



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
Rated Power	1000VA/700W	2000VA/1400W	3000VA/2100W	1000VA/700W	2000VA/1400W	3000VA/2100W
Input						
Voltage	220VAC					
Voltage range	115 - 300VAC					
Frequency	50Hz (46 -54Hz)					
Power factor	>0.97 (full load)					
Output						
Voltage	220VAC					
Voltage regulation	±2% at battery mode					
Frequency	50Hz (±0.2% at battery mode)					
Waveform	Sine wave					
Power factor	0.7					
Harmonic distortion	T.H.D. < 3% at full load (linear load)					
Load crest ratio	3:1					
Overload capacity	110% - 150%, bypass in 30 seconds; >150%, bypass in 300ms					
Transfer characteristic	0ms					
Battery						
Type	Built-in sealed maintenance free (SMF) VRLA battery			External SMF VRLA battery bank(s)		
Voltage	36VDC	96VDC	96VDC	36VDC	96VDC	96VDC
Charging time	5 hours typical to 90% of battery capacity after fully discharge					
Backup time	15 minutes at half load, 7 minutes at full load			Depends on capacity of external battery bank(s)		
Environmental						
Operating temperature	0 to 40°C					
Storage temperature	-25 to 55°C					
Relative humidity	0 to 95% non-condensing					
Elevation	1500m max.					
Mechanical						
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)	1000VA models: 145x400x220mm; 2000VA & 3000VA models: 192x460x340mm					
Net weight	14KGS	34KGS	34.5KGS	7KGS	13.5KGS	14KGS

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
Rated Power	6000VA / 4200W	10000VA / 7000W	6000VA / 4200W	10000VA / 7000W
Input				
Voltage	220VAC			
Voltage range	176-276VAC			
Current	31A (max.)	50A (max.)	31A (max.)	50A (max.)
Frequency	50Hz (46 -54Hz)			
Power factor	>0.98 (full load)			
Output				
Voltage	220VAC			
Voltage regulation	±1% at battery mode			
Current	27A	45A	27A	45A
Frequency	50Hz (±0.2% at battery mode)			
Waveform	Sine wave			
Power factor	0.7			
Harmonic distortion	T.H.D. < 2% at full load (linear load)			
Load crest ratio	3:1			
Overload capacity	105% - 130%, bypass in 10 minutes; >130%, bypass in 1 second and cut off output in 1 minute			
Transfer characteristic	0ms			
Battery				
Type	Built-in sealed maintenance free (SMF) valve regulated lead acid (VRLA) battery		External SMF VRLA battery bank(s)	
Voltage	240VDC			
Charging time	5 hours typical to 90% of battery capacity after fully discharge			
Backup time	15 minutes at half load, 7 minutes at full load		Depends on capacity of external battery bank(s)	
Environmental				
Operating temperature	0 to 40°C			
Relative humidity	0 to 95% non-condensing			
Elevation	1000m max. (4%-5% of rated power reduced with each 500-meter elevated if above 1000 meters)			
Mechanical				
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)	260x570x717mm			
Net weight	90KGS	93KGS	35KGS	38KGS

Fangyuan Electric Apparatus Co., Ltd

Jiage Street, Anqiu, Weifang, P.R.China-262100

Tel: +86-536-4328089 / 4329233 Fax: +86-536-4329121

E-mail: fydq@fydq.com.cn [Http://www.fydq.com.cn](http://www.fydq.com.cn)

