

# Power

for your cable networks and communication systems...

# Solutions

## **MG31 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)
- Three-phase redundant parallel operation
- User-friendly bypass protection
- Self-test on startup
- Versatile LED display
- On-battery startup (DC power-on)
- Extended battery runtime
- RS-232 communication interface + Intelligent Slot
- Optional SNMP Adapter and parallel connection kit
- Optional smart LCD display



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

# MG31 Series Uninterruptible Power Supply

## Nominal Specifications (Tower, external battery banks for extended runtime)

Model	MG31-10KL	MG31-15KL	MG31-20KL
<b>Rated Power</b>	10000VA / 7000W	15000VA / 10500W	20000VA / 14000W
<b>Input</b>			
Voltage	380VAC, three-phase		
Voltage range	304 – 478VAC		
Current	50A (max.)	75A (max.)	100A (max.)
Frequency	50Hz (46 -54Hz)		
Power factor	>0.95		
<b>Output</b>			
Voltage	220VAC		
Voltage regulation	±2% at battery mode		
Current	45A	68A	91A
Frequency	50Hz (±0.1% 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 max.		
Overload capacity	105% - 130% bypass in 10 minutes, >130% bypass in 1 second and cut off output in 1 minute		
Transfer characteristic	0ms		
<b>Battery</b>			
Type	Sealed maintenance free (SMF) VRLA battery		
Voltage	240VDC		
Charging time	6 hours typical to 90% of battery capacity		
Backup time	Depends on capacity of external battery bank(s)		
<b>Environmental</b>			
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)		
<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)	260x570x717mm		
Weight	39KGS	55KGS	55KGS

## 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

## 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](mailto:fydq@fydq.com.cn) [fydq@263.net](mailto:fydq@263.net) [Http://www.fydq.com.cn](http://www.fydq.com.cn)

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