

## CHLORIDE

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## Power Lan Gold 5 and 7 kVA

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**POWER LAN  
GOLD**

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## Power Lan Gold 5 and 7 kVA

### Leading technology with galvanic isolation

#### The Range

Current working environments require that the most advanced technologies are available for the users in order to ensure the maximum protection in their critical applications and continuity in business processes.

With this aim, Chloride has designed the Power Lan Gold product range, available in 5kVA and 7kVA with optional battery packs for extended autonomies. It features DIGITAL ON-LINE technology, which works as a real safety and isolation barrier, ensuring total availability of your equipment without risks.

#### Leading Technology

Power Lan Gold has been developed considering always the user's needs, offering a series of exclusive innovations and advantages.

- Digital On-Line technology, which always ensures a pure sinusoidal output and ~0 ms transfer time in the event of a mains failure.
- Very high AC/AC efficiency (~95%), which allows energy saving and reduces equipment heating.
- High reliability and robustness.
- Galvanic isolation input-output, which isolates the load from mains noises and interferences.
- Automatic static bypass and detachable manual bypass
- Extended autonomies thanks to the optional external battery packs and internal charger upgradeable to 5A via software
- Extra filtering protection at the AC input against spikes and surges

#### Connectivity

The Power Lan Gold range is fully compatible with the Chloride's suite of Connectivity Solutions. You can rely on the best software solutions to protect your critical loads.

An RS232 communication port is available for UPS communication and monitoring. The powerful MopUPS Professional software is the perfect solution for this purpose. Its most advanced features include:

- Safe Operating System Shutdown, preserving data integrity and minimizing

data recovery problems

- Safe Network Shutdown : flexibility, simplicity and reliability in TCP/IP network-based shutdown
- Remote Messaging via TCP/IP network to keep you informed anywhere.
- Remote Management: secure access from any computer on your IP-based network to the UPS status information.

In order to provide a higher degree of flexibility, an internal slot is available for the ManageUPS network adapter, with capabilities for TCP/IP, SNMP, webpage server...

Chloride can also provide other cards for specific needs (voltage-free contacts, MODBUS...) and software applications to suit your needs.

With critical infrastructure in large facilities, campus or enterprise network environments, the highest management capabilities are reached through ManageUPS CIO, a powerful software tool for managing and monitoring UPS and related critical infrastructure.

In a complex system with multiple UPSs in a distributed network, tasks such as configuration, notification and events management become easy thanks to ManageUPS CIO. For more versatility, it is available for both Windows and Linux platforms.

#### Applications

Due to its technical features, Power Lan Gold represents an ideal solution for applications requiring long autonomies (security systems, remote locations...) and galvanic isolation (mains with high harmonic content, environments which require noise filtering, etc).

If necessary, Chloride can customize the UPS features for a specific project or application in order to provide the best solution to your needs.

#### Remote Monitoring and Maintenance

Power Lan Gold units are compatible with LIFE.net, Chloride's remote monitoring service, which provides:

- Continuous real time monitoring of your UPS
- Automatic transmission of daily status report
- Real time diagnosis of all UPS operational parameters
- A remote fix capability
- Monthly UPS Operational status report

#### Chloride Services

Chloride provides you with a wide range of Services that will help you improve protection of your equipment and extend your UPS lifetime.

These services include support for the analysis of your needs, network quality analysis, UPS installation and commissioning...

Besides, Chloride offers a range of maintenance plans which will:

- Help deliver reliability to your load
- Extend the life of your power protection equipment
- Optimize your capital expenditure
- Provide risk management at a fixed cost
- Help control your business environment

Contact your local Chloride sales office for more information.

**Delegate your power management to the experts.**

	Power Lan Gold 5 kVA	Power Lan Gold 7 kVA
<b>GENERAL</b>		
Technology	DIGITAL ON-LINE (microprocessor control)	
Models	PL GOLD 5 kVA	PL GOLD 7 kVA
<b>INPUT</b>		
Phases	Single phase	
Nominal voltage	220/230/240V (Software adjustable)	
Voltage range	Out voltage regulation enlarged at least +5% -10% V	
Frequency	± 2Hz (Synchronization)	
Extra filtering protection	Yes	
<b>OUTPUT</b>		
Nominal voltage	220/230/240 V (Software adjustable)	
Voltage regulation	± 5% (min.) (Software adjustable)	
Frequency	± 2Hz (Synchronization)	
Power	5000 VA, 3500 W	7000 VA, 4900 W
Galvanic isolation	Battery-output and input-output	
Overload capability	200% (2 sec.) - 160% (30 sec.) - 120% ( 1 min.)	
<b>INVERTER</b>		
Technology	PWM 30 kHz	
Waveform	Pure sinewave	
Nominal voltage	220/230/240 V (Software adjustable)	
Static regulation	± 1%	
Dynamic regulation 50% to 100%	± 2%	
Dynamic regulation 0% to 100%	± 5%	
Frequency 50Hz	± 0.1%	
Crest factor	3:1	
Transfer time	~ 0 ms.	
Harmonic distortion Linear load	< 3%	
Harmonic distortion Computer load	< 5%	
Overload capability	200% (1 sec.) - 160% (8 sec.) - 120% ( 30 sec.)	
<b>CHARGER &amp; BATTERIES</b>		
Battery technology	Sealed lead acid, maintenance free; 10 years	
Nominal battery voltage	144 V	216 V
Floating voltage @20°C	163.8 V	245.7 V
Capacity	7 Ah	
Number of batteries (12V)	12	18
Charging current	2.5 A (5A option)	
Extended autonomies	Yes	
<b>BYPASS</b>		
Static	Yes	
Transfer time	~ 0 ms	
Overload capability	200% (2 sec.) - 160% (30 sec.) - 120% ( 1 min.)	
Manual	Yes	
Max power	5750 VA	9200 VA
<b>FUSES</b>		
Input	32 A	
Battery	50 A	
<b>SIGNALS &amp; COMMUNICATIONS</b>		
Electrical	DB15 Female; Serial RS-232 communication Mains fault, Unit ON, Alarm and Battery low (RS-232 levels) "Remote UPS Shutdown" input signal (RS-232 levels) Connectivity slot for optional SNMP WEB adapter and options	
<b>ENVIRONMENT PERFORMANCE</b>		
Operating temperature	0 to 40° C	
Relative humidity	0 to 90% (not condensing)	
Altitude	3000 m.	
<b>MECHANICAL PERFORMANCE</b>		
UPS Size (HxWxD)	Without packaging: < 610x265x675 mm.	With packaging: < 770x340x740 mm.
Battery pack size (HxWxD)	Without packaging: < 610x265x745 mm.	With packaging: < 770x340x810 mm.
UPS Weight without packaging	< 82 Kg.	< 107 Kg.
Battery pack Weight without packaging	< 90 Kg.	< 121 Kg.
UPS Weight With packaging	< 92 Kg.	< 117 Kg.
Battery pack Weight With packaging	< 100 Kg.	< 131 Kg.
IP Class	IP21	

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