

CHLORIDE

Secure Power Always

Power Lan / Power Rack Green 5-7 and 10 kVA



POWER LAN
GREEN

POWER RACK
GREEN

Uninterruptible Power Supply

Power Lan / Power Rack Green 5-7 and 10 kVA

Robustness and reliability with the highest efficiency

The Range

Current working environments require the most advanced technologies to be available to the end user, in order to ensure the maximum protection for their critical applications and continuity in business processes.

With this aim, Chloride has designed the Power Lan Green family product range, available in 5kVA, 7kVA and 10kVA. It features DIGITAL ON-LINE technology, which works as a true safety and protection barrier, ensuring total availability of your equipment without risks.

Leading Technology

The Power Lan Green family has been developed with the needs of the user in mind, 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 (>97%), which allows energy saving and reduces equipment temperature.
- High reliability and robustness.
- Galvanic isolation batteries-output, which protects the load from a possible inverter failure.
- Automatic static bypass.
- Manual bypass (detachable in tower versions).

Connectivity

The Green family 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. Our 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 and webpage server.

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

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 UPS 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, the Power Lan Green family represents an ideal solution not only for the most common power protection applications (IT systems in offices, servers, manufacturing centres...), but also for sophisticated applications such as telecommunication centres, VoIP equipment, traffic control systems, security and surveillance systems. 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 / Power Rack Green 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 analysing your needs from the outset, carrying out network quality audits, UPS installation and commissioning...

Furthermore, 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.

	5 kVA	7 kVA	10 kVA
GENERAL			
Technology	DIGITAL ON-LINE (microprocessor control)		
Models	PL/PR GREEN 5 kVA	PL/PR GREEN 7kVA	PL/PR GREEN 10 kVA
INPUT			
Phases	Single phase		
Nominal voltage	220/230/240V (Software adjustable)		
Voltage range	Output voltage regulation enlarged at least +5% -10% V		
Frequency	±2Hz (Synchronization)		
OUTPUT			
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	10000 VA, 7000 W
Power factor	0.7		
Galvanic isolation	Battery-output		
Overload capability	200% (2 sec.) - 160% (30 sec.) - 120% (1 min.)		
INVERTER			
Waveform	Pure sinewave		
Nominal voltage	220/230/240V (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 distorsion Linear load	≤3%		
Harmonic distorsion Computer load	≤5%		
Overload capability	200% (1 sec.) - 160% (8 sec.) - 120% (30 sec.)		
CHARGER & BATTERIES			
Battery technology	Sealed lead acid, maintenance free		
Nominal battery voltage	144 V	216 V	288V
Capacity	7 Ah		
Number of batteries (12V)	12	18	24
Charging current	2.5 A		
Extended autonomies	No		
BYPASS			
Static	Yes		
Transfer time	~0 ms		
Galvanic isolation	No		
Overload capability	200% (2 sec.) - 160% (30 sec.) - 120% (1 min.)		
Manual	Yes		
FUSES			
Input	32 A		50 A
Battery	50 A		
SIGNALS & COMMUNICATIONS			
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) Conectivity slot for optional SNMP WEB adapter and options		
ENVIRONMENT PERFORMANCE			
Operating temperature	0 to 40° C		
Relative humidity	0 to 90% (not condensing)		
Altitude	3000 m.		
MECHANICAL PERFORMANCE			
UPS Size (HxWxD, mm) Tower	≤ 610x265x675		≤610x265x745
Rack (w/o batteries)	≤177x482x500 (4U/19")	≤177x482x500 (4U/19")	≤ 266x482x500(6U/19")
Batt. Pack Size* (HxWxD, mm) Rack	≤88x482x500 (2U/19") (Two separate packs connected in series)		
UPS Weight(kg) Tower	≤82		≤ 125
Rack (w/o batteries)	≤45	≤55	≤ 65
Batt. Pack Weight*(kg) Rack	≤40	≤65 (Two separate packs connected in series)	≤ 80 (Two separate packs connected in series)

*Only one string of batteries can be connected

CHLORIDE

www.chloridepower.com

Chloride operates through a worldwide network of Chloride sales and service offices and joint ventures, with operations across 80 countries including:

Almaty, Kazakhstan
Bangkok, Thailand
Beijing, China
Makati City, Philippines

Bologna, Italy
Buenos Aires, Argentina
Chicago, USA

Dubai, UAE
Erlangen, Germany
Ho Chi Minh City, Vietnam

Lisbon, Portugal
Istanbul, Turkey
Madrid, Spain

Moscow, Russia
Paris, France
Pune, India

Diadema, Brazil
Shanghai, China
Singapore

Southampton, UK
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