

Excel CF - DC UPS from 1200 W to 6.6 kW



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Chloride's Excel CF range of rectifiers/chargers is available in one-phase input configuration from 1200 W to 3 kW, and in three-phase input configuration from 1200 W to 6.6 kW.

Flexibility for customised solutions

The Excel CF range can be fully adapted to meet the diverse power needs of your load. Three DC voltages are available in a single dimension cabinet, each of them offering a wide range of standards ratings.

Particular care has been taken in the design of the system to offer a compact DC UPS system with the lowest footprint. The result is a charger that can be:

- Overlaid on one battery cabinet,
- Juxtaposed with one or several battery cabinets.

A wide range of options is available to enable us to tailor solutions:

- Parallel configuration for 100% redundancy
- Input protection by a two or three pole thermal-magnetic circuit breaker
- Integration of up to five DC output feeders in the cabinet
- IP 31 external protection.

Reliability and accessibility

The Excel CF range uses the thyristor-rectifying method. This renowned technology ensures long-lasting reliability and performances for the DC UPS system.

Excel CF is a seal of reliability for your mission critical DC loads. Its design is the result of Chloride's long experience in harsh industrial applications.

The resulting benefits are:

- System lifetime of at least 20 years in continuous operation conditions
- Space optimization on site in the technical rooms
- Front access to the internal components, reducing MTTR and easing maintenance operations.

Communication

With the Excel CF range, the user visualises all the necessary information from the front of the equipment:

- The digital display is available as standard and allows reading of up to four DC measurements
- The six LEDS allow user to quickly understand the operational status of the Excel CF charger.

Furthermore, fault information is available on voltage-free contacts to allow remote monitoring of the system.

Advanced battery care

The Excel CF range is fully compatible with lead-acid and nickel-cadmium batteries.

The following options are also available:

- Battery low voltage disconnect contactor
- Compensation of the battery floating voltage according to temperature
- Low voltage or end of autonomy alarm.

Applications

The Excel CF range protects the direct current

power supply for many applications such as:

- Emergency lighting
- Alarm systems
- Access control
- Auxiliary relays and automation systems
- HV/LV circuit breaker control system in private electrical substations
- Control and signalling.

Secure Power Always

In order to reach the highest level of business continuity, Chloride offers a range of maintenance plans which will:

- Help deliver reliability to your load
- Increase the lifetime of your power protection equipment
- Optimize your capital expenditure
- Provide risk management at a fixed cost
- Provide a pro-active approach to disaster recovery.

For more information please contact your local Chloride sales office.

Delegate your power management to the experts.

RANGE OF RATINGS (A)	25	40	60	100	125	
Input type	One-phase input			Three-phase input		
Output DC voltage (VDC)	24	48	110	24	48	110
Available ratings (A)	60	25, 60	25	125	25, 60, 100	40, 60

TECHNICAL CHARACTERISTICS	
INPUT	
Nominal AC voltage (VAC)	1 x 230
Input voltage tolerance (%)	-10 / +15
Input frequency (Hz)	50 (60)
Input frequency tolerance (%)	±5
Power factor	≥ 0,65
Input protection	Fuse-switch
OUTPUT	
Nominal DC voltage (VDC)	24 / 48 / 110
Available ratings (A)	see above
Output voltage regulation (%)	± 1 (0 to 100% of the load)
Voltage ripple	2% RMS
Current limitation	100% of nominal rating in floating / equalization mode
Boost mode current limitation	0,1 C10 (Lead Acid battery) / 0,2 C5 (Nickel Cadmium battery)
BATTERY	
Type	Sealed Lead Acid, Vented Lead Acid, Nickel Cadmium
Autonomy	From 15 minutes to several hours
GENERAL DATA	
AC/DC efficiency (%)	up to 92
Operating temperature (°C)	0 to 40
Storage temperature (°C)	-20 to +70
Relative humidity (%)	< 95
Operating altitude (m)	1000 (without derating)
Cooling	Fan-assisted ventilation
External protection	IP20 to IP31
Noise (dB)	< 60
Lock	Steel locked door
Frame colour	Grey RAL 7032 textured semi-gloss
STANDARDS	
Compliance	IEC 950, 439, 146, 529, 726
CE directives	73 / 23 / EEC - LVD and 89 / 336 / EEC - EMC
OPTIONS	
Charger	Alarm on additional voltage-free contact, DC earth fault alarm, battery voltage control, parallel configuration, input circuit breaker, special painting
Battery	Low voltage disconnect contactor, floating voltage compensation according to temperature, manual boost mode for vented batteries, fuse protection
MECHANICAL DATA	
Height (mm)	890
Width (mm)	530
Depth (mm)	390
Battery cabinet type 0 (H x W x D)	390 x 530 x 390
Battery cabinet type 1 (H x W x D)	890 x 530 x 390

This product may differ slightly from the product photograph on the front cover.

This publication is issued to provide outline information only and is not deemed to form any part of any offer and/or contract. The company has a policy of continuous product development and improvement, and we therefore reserve the right to vary any information without prior notice. **MKA44LUKECF Rev. 1-06/2008**

**Chloride Industrial Systems
Chloride France S.A.**

30 avenue Montgolfier - BP90
69684 Chassieu Cedex
France

T +33 (0) 4 78 40 13 56
F +33 (0) 4 78 90 58 90
E industrial.sales@chloridepower.com

CHLORIDE INDUSTRIAL SYSTEMS

www.chloridepower.com

Closest Chloride Contact in Australia:

Chloride Australia

Ground Floor
16 Giffnock Avenue, North Ryde
NSW 2113
Australia

T +61 2 9888 1266
F +61 2 9888 1966
E australia.sales@chloridepower.com

www.chloridepower.com.au

Closest Chloride Contact in UAE:

Chloride UPS Systems Middle East

Building 5, Office 104
Dubai Internet City - Dubai
UAE
PO Box 72536

T +971 4 391 3205
F +971 4 391 6803
E middleeast.sales@chloridepower.com

www.chloridepower.com/middle-east

Closest Chloride Contact in South East Asia:

CHLD Singapore Pte Ltd

2 Corporation Road
#03-07 Corporation Place
Singapore
618494

T +65 6481 4776
F +65 6481 0552
E singapore.sales@chloridepower.com

www.chloridepower.com.sg

Closest Chloride Contact in UK:

Chloride UK

George Curl Way
Southampton, Hampshire
SO18 2RY
United Kingdom

T +44 (0) 23 8061 0311
F +44 (0) 23 8061 0852
E uk.enquiries@chloridepower.com

www.chloridepower.co.uk

Closest Chloride Contact in USA:

Chloride

27944 North Bradley Road
Libertyville
IL 60048
USA

T +1 847 816 6000 / +1 800 327 8801
F +1 847 680 5124
E usa.info@chloridepower.com

www.chloridepower.com/usa

Closest Chloride Contact in Thailand:

Chloride Thailand

Panjathani Tower, 20th Floor
127/25 Nonsee Road, Chongnonsee,
Yannawa, Bangkok 10120
Thailand

T +662 296 9800
F +662 681 0109
E thailand.sales@chloridepower.com

www.chloridepower.com/th

Closest Chloride Contact in Vietnam

Chloride Vietnam

Unit 613, 6 floor, Melinh Point Tower
2 Ngo Duc Ke, District 1,
Ho Chi Minh City
Vietnam

T +84 8 5202971
F +84 8 5202800

www.chloridepower.com/en-gb/vietnam

For a full list of contacts please visit our website at www.chloridepower.com

