

Kraft Air Cooled, Modular Switch Mode Rectifier



Stock No	RF735
Manufacturer	Kraft
Model	FLEX KRAFT 2M
Serial	1 1271713
Condition	From a working environment, Good Condition, Current Model
Voltage	380-480 input : 15Vdc Output
Amps	1000Adc 15kW
Other Info	Fan Air Cooled : Continuous Operation
Location	Our Central Warehouse, Aldridge, UK
Weight (kgs)	76
External Dimensions (WxDxH mm)	500 x 600 x 585

Description

The FlexKraft 2M Air-cooled system is a modular, air-cooled rectifier designed for demanding industrial applications including ballast water management systems. Key features include:

- Robust air-cooled architecture requiring no external cooling systems,
- Modular design for easy front-access service and quick power module replacement,
- High operational availability with built-in redundancy,
- Compact, single-side serviceable design for simplified installation and maintenance,



- Tested and type approved by DNV-GL and KR,
- Designed for reliable performance in harsh environments with ambient temperatures up to 55°C,
- Especially suited for applications where simplicity, flexibility, and compact integration are important.

This air-cooled system is a dependable choice for industrial users needing stable DC power with straightforward service routines.

- **Flexibility** : Besides regular voltage control and current control, FlexKraft also offers power control that allows the use of a wide voltage and current output range.
- **Upgradable Output Power** : The modular design allows for future increase of the output power.
- **Serviceable** : Easy access for module repair or replacement.
- **Space-saving** : The small footprint allows for easy installation and the modular design for exceptional layout flexibility - especially with two or more power supplies assembled into one tower.
- **High Power Factor** : Low reactive power consumption throughout the range reduces installation and electrical cost.
- **Ripple** : Low ripple at ALL output currents.
- **Modular Design** : Any combination of power modules up to 60 VDC or 24 000A can be supplied.
- **Individually Controlled Dual Outputs** : Flex Kraft is also available with dual outputs up to 15 VDC 2 x 3000A. The two outputs are controlled 0-100% totally individually and independently.
- **Protection** : Over-current : Over-voltage : Overtemperature : Short circuit : Open circuit : Module failure

CONTROL PARAMETERS

- Setting:
- Outputs:
- Set current
- Actual current
- Set voltage
- Actual voltage
- On / Off
- On signal
- Start / Stop
- Run signal
- Stand by / Run
- Actual Amp hours
- Amp hours
- Actual run time
- Run time Alarm (general alarm)
- Clear counters
- Alarm status (cause of alarm)
- End of process

<https://kraftpowercon.com/product/flexkraft-plating-rectifier>

https://kraftpowercon.com/wp-content/uploads/2023/03/S107.050_FKA_D_EN_Rev.E.pdf



Details below from the OEM.

The FlexKraft 2 M unit is a modular switch-mode rectifier designed for electro-chemical processes, especially electroplating. Here are some key technical details:

- Modular design with power modules each up to 8 kW (e.g., 12 V, 600 A per module).
- Ability to combine up to 10 modules in a tower.
- Up to 10 towers can be combined, reaching 60 kA at 12 V.
- Output voltage range up to 120 V DC.
- Flexible current settings depending on the number of modules (for example, 600 A per module at 12 V).
- Operates continuously at maximum output in ambient temperatures up to 50°C.
- Control system supports both constant voltage (CV) and constant current (CC) modes with independent voltage and current setting.
- Dual output option available, allowing one rectifier to function as two with maximum current halved.
- Low ripple and high accuracy in power output.
- Designed for demanding electroplating environments with features for easy service and redundancy.

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.