Redundancy Module : 110Vdc, 115Vdc, 125Vdc, 127Vdc

KMR_ACCR_series

KMR_CCR_series

60A,70A et 80A

Description :

Our system allows for the parallel connection of two or three power supplies, guaranteeing maximum availability and enhanced security for your installations. Thanks to seamless redundancy, you ensure continuous service under all circumstances.

Furthermore, it offers the possibility of changing a power supply without interruption, simplifying maintenance and eliminating the risk of downtime. Increase reliability, protect your operations, and ensure business continuity.

Contact us for a personalized assessment.

Features :

Input :

-20 Vdc…280Vdc (2 Input)
up 20A to 80A (Ventilated or not depending on the power)

For the DC versions, several mounting types are available:
Common anode
Common anode
Common Anode & Cathode

Option :

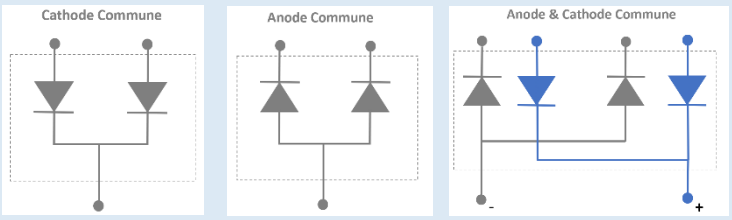
- DIN rail, surface or surface mounted
la tension de sortie
- Watchdog relay for series output voltage control

The redundancy module provides effective protection against power supply failures.

Thanks to intelligent decoupling of two power sources, the failure of one has no impact on the output: the other automatically takes over, ensuring uninterrupted service continuity.

Furthermore, the module continuously monitors both power supplies and triggers an alarm signal via a contact in the event of a loss of redundancy.

Synoptic :



DEMANDER UN DEVIS

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Design :

Our redundancy module integrates seamlessly into your installations thanks to its robust, reliable, and field-oriented design

- DIN or wall mounting for easy integration
- Fixed terminal block connectors up to 16 mm² (10 to 50A), depending on the output current, or lug connection above 50A
- Elegant and durable black aluminum casing
- IP20 protection rating
- Excellent resistance to vibration and shock
- Low sensitivity to humidity and dust

Maximum protection and longevity

- Fan cooling

Version Option	
KMR_CCR	Common Cathode Version
KMR_ACR	Common Anode Version
KMR_ACCR	Common Anode & Cathode Version

For safety reasons, observe the following requirements:

- Mount the unit in a protective enclosure that complies with current electrical safety regulations.
- Use cables with an adequate cross-section to connect the inputs and outputs.
- Protect the primary winding with a recommended fuse.
- Ensure the redundancy module is positioned correctly to allow for proper airflow and optimal ventilation.

Technical specifications

KMR_series	
Input Voltage	20 to 280Vdc
Output current	50A nominal (max 60A) 60A nominal (max 70A) 80A nominal (max 90A)
Typical output voltage	= Input Voltage - 1.6V
Overcurrent	3x I nominal for 3S
Option Relay watchdog	Depending on the model and voltage used in the application

Environnement	
Weight	3.7 kg
Size	180mm width , 160mm height and 195mm depth
MTBF (+25°C)	1 200 000 H (Hors FAN)
Lifetime	>200 000H 30°C >50 000H Fan version
Temperature storage	-40° à +85°C
Humidity (non-condensing)	~85%

Electromagnetic compatibility 2014/30/UE / Low Voltage Directive 2014/35/UE Immunity standard for industrial environments EN 61000-6-2	
ESD	EN61000-4-2
Radiated Susceptibility	EN61000-4-3
EFT/Burest	EN61000-4-4
Surge	EN61000-4-5
Conducted	EN61000-4-6
Magnetic Field	EN61000-4-8
Voltage Dips and interruptions	EN61000-4-11
EMC EMISSION	EN55011 Group1 Class A

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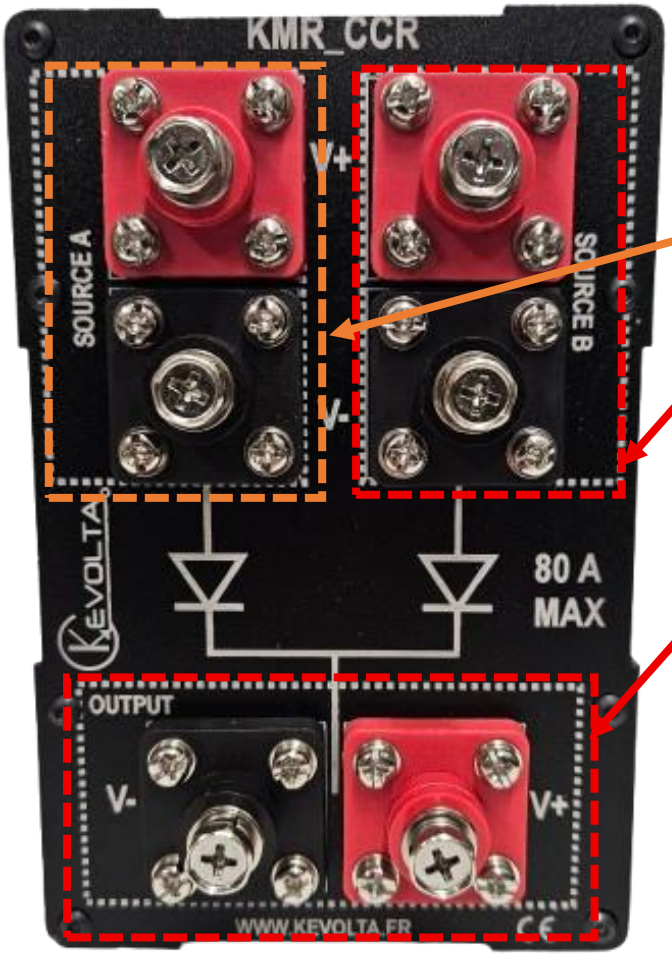
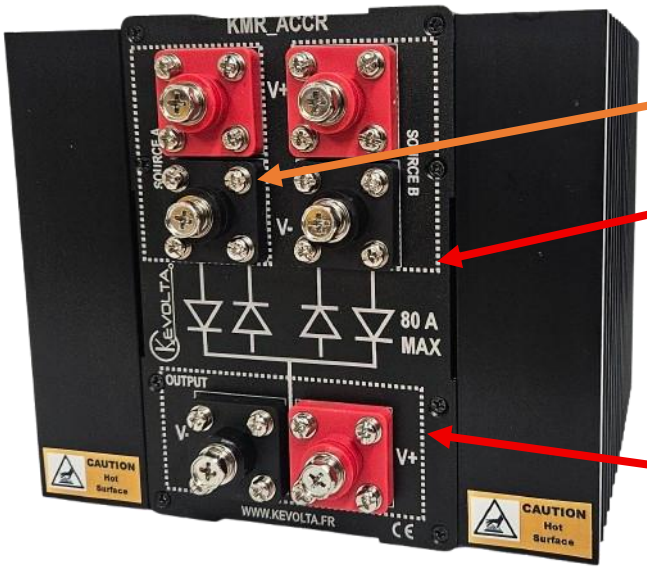
Connections version Common Cathode :



Power terminal INPUT	
PIN 1 SOURCE A INPUT	V+
PIN 2 SOURCE A INPUT	V-
PIN 1 SOURCE B INPUT	V+
PIN 2 SOURCE B INPUT	V-

Terminal OUTPUT	
PIN 1	V-
PIN 2	V+

Connections version Common Anode & Cathode :



Power terminal INPUT	
PIN 1 SOURCE A INPUT	V+
PIN 2 SOURCE A INPUT	V-
PIN 1 SOURCE B INPUT	V+
PIN 2 SOURCE B INPUT	V-

Terminal OUTPUT	
PIN 1	V-
PIN 2	V+

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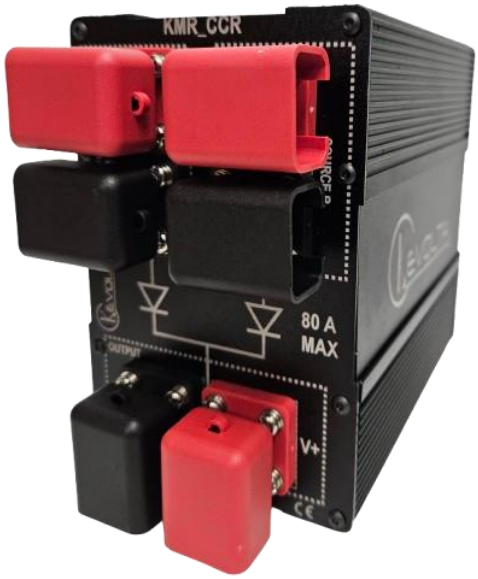
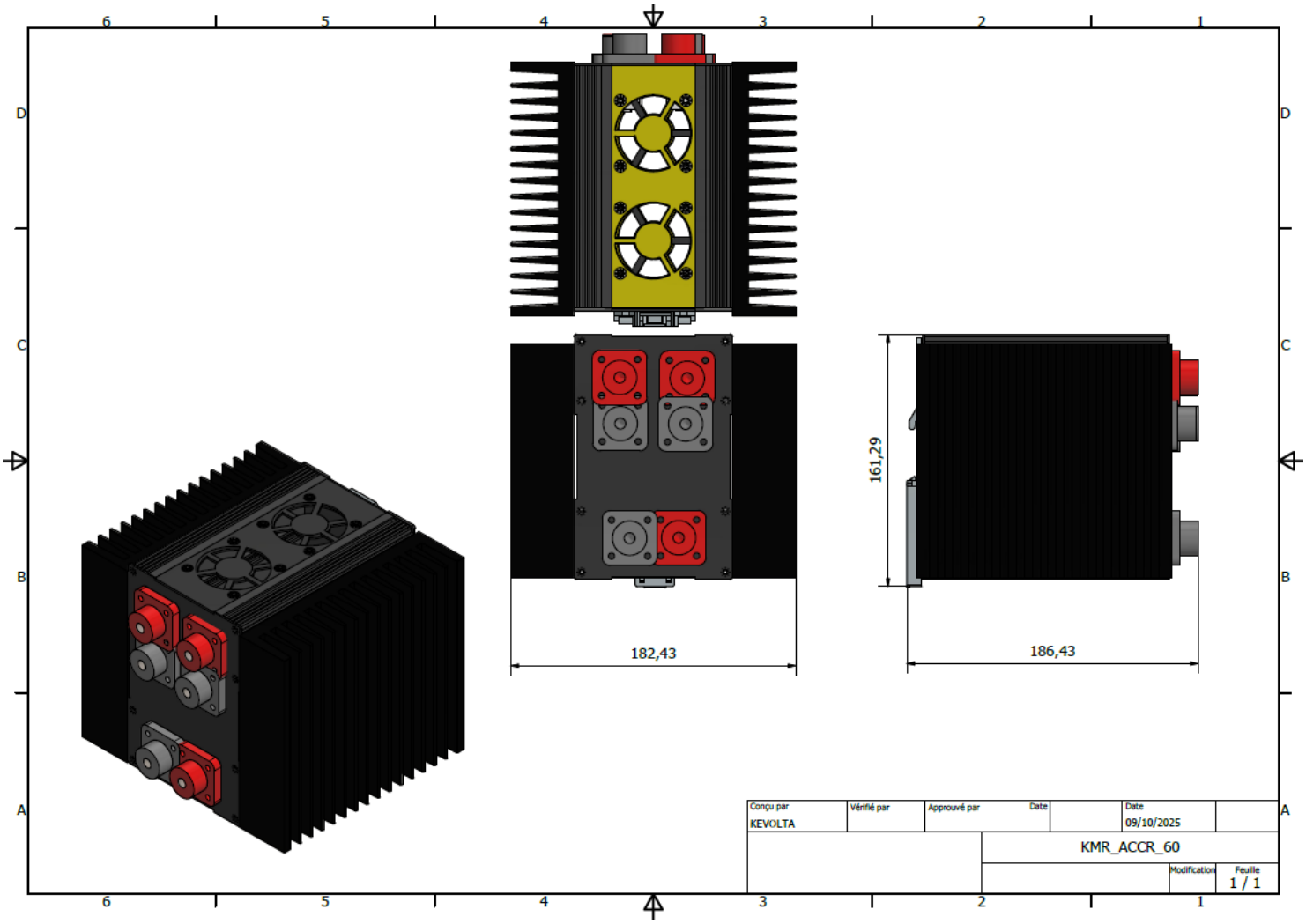
Redundancy module supplied with terminal protection



Size :



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