

# Power supply 3 Output : 5V/10V/24V/48V/110Vdc, 115Vdc, 125Vdc, 127Vdc KPS-RSo3 AC-DC ou DC-DC up to 1500W

## Description:

Industrial high-power supply – robust, configurable, and fully protected  
Designed to meet the highest requirements of industrial and energy sectors, our power supply offers a reliable, flexible, and durable solution.

- Fully configurable on request: voltage, current, connectors, form factor...
- Full protection: against overloads, short circuits, overvoltage, and excessive temperatures
- Industrial-grade robustness: guaranteed operation in the most demanding environments
- Applications: industrial automation, energy systems, photovoltaic, wind power, critical equipment...
- Optimize your installations with a custom-built power supply designed to last.
- Contact us for a personalized assessment.



High-performance switched-mode power supply – compact, efficient, and scalable  
Optimize your systems with our high-power-density switched-mode power supply, designed for maximum performance without excessive heating.

- High efficiency: optimized electronics for minimal thermal dissipation
- Custom output voltages, including symmetrical or non-standard voltages
- Increased output currents tailored to your needs

With full flexibility, easy integration, and excellent energy efficiency, this power supply is the ideal solution for your industrial, energy, or advanced power-conversion applications.

## Specifications:

### Input :

-18...72Vdc, 40Vdc ...160Vdc ,  
120...340Vdc 200Vdc...1500Vdc

-85 à 230V monophasé  
-380/400V Triphasé

### Up to 3 output available :

-5V/10V/24V/48Vdc / 110Vdc , 115Vdc ,  
125Vdc , 127Vdc  
- Fully protected: short circuit, overload, thermal

### Power :

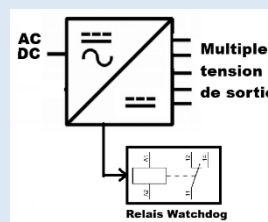
-3000W max for 1 output

### Option :

- DIN rail, surface-mount or base-mount installation
- Watchdog relay for output voltage monitoring
- Output diode for parallel operation



## Synoptique :



## Design:

Engineered to last — an industrial power supply built for real-world environments

Our power supply integrates seamlessly into your installations thanks to its robust, reliable, and field-oriented design:

- DIN-rail or wall mounting for easy integration
- Fixed terminal block connectors up to 16 mm<sup>2</sup>, depending on output current
- Black aluminum enclosure, both elegant and durable
- IP20 protection rating
- Excellent resistance to vibration and shock
- Low sensitivity to humidity and dust

### Maximum protection and longevity

- Protection against overloads, permanent short circuits, and overheating (automatic output power limitation)
- Intelligent cooling with power-regulated ventilation, ensuring extended fan lifetime
- Integrated EMC filtering, compliant with EN55022 Class A

A reliable power supply designed for demanding environments, with no compromise on safety or durability.

| Version Option  |                                         |
|-----------------|-----------------------------------------|
| KPS_series /HT  | High-temperature version (-25°C à 75°C) |
| KPS_series /NV  | Natural convection (-25°C à 60°C)       |
| KPS_series /D   | Internal diode for parallel connection  |
| KPS_series /POT | Adjustable output voltage               |

### For safety reasons, the following requirements must be observed:

- Install the unit inside a protective enclosure compliant with current electrical safety standards.
- Use cables with an appropriate cross-section to connect the inputs and outputs.
- Primary-side protection with a fuse is recommended.
- Ensure the power supply is positioned to allow proper airflow for optimal ventilation.

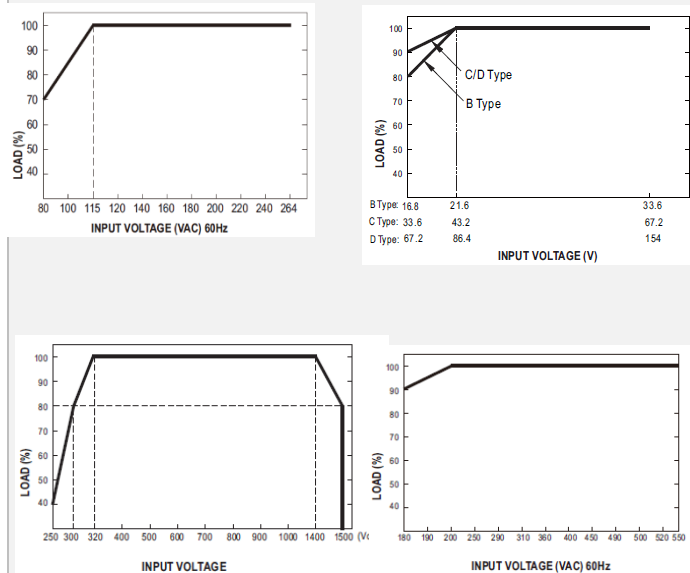
## Technical specifications:

| KPS_series                        |                                                                                                              |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------|
| Typical supply voltage            | 85 à 230VAC / 380/400V triphasé                                                                              |
| Maximum supply voltage            | 200 ... 1500Vdc                                                                                              |
| Inrush current                    | 60A typique                                                                                                  |
| Typical efficiency                | >90%                                                                                                         |
| Input frequency                   | DC ou de 47hz à 440hz                                                                                        |
| Output adjustment accuracy        | +/-2% max                                                                                                    |
| Output regulation                 | +/-2% max                                                                                                    |
| Line regulation (input variation) | +/-0.5%                                                                                                      |
| Output ripple                     | < 1% max (limité à 20MHz)                                                                                    |
| Temperature stability             | +/-0.02%/°C typique                                                                                          |
| Protection                        | court-circuit continue , redémarrage automatique                                                             |
| Overload protection               | 110% à 140% du courant nominal                                                                               |
| Switching frequency               | 60kHz typique                                                                                                |
| Output hold-up time               | 50ms typique                                                                                                 |
| Isolation voltage                 | 2500Vac (entrée / sortie) 1500Vac (entrée / terre) 500Vac (sortie / relais watchdog) 500Vac (sortie / terre) |
| Relay Watchdog                    | Selon modèle et tension utiliser dans l'application                                                          |

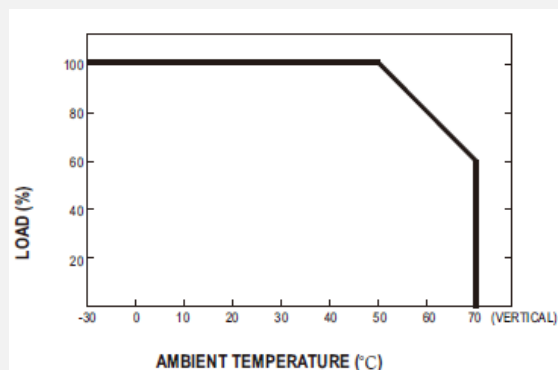
| Environnement             |                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------|
| Weight                    | ~3.5 à 4kg                                                                                                           |
| Dimensions                | ~130mm (L) x 200mm (H) x 300mm de profondeur ( ou 200mm)<br>-Version Large 175mm x 200x 200mm ou 300mm de profondeur |
| MTBF (+25°C)              | 350 000 H (Hors FAN)                                                                                                 |
| Lifetime                  | 100 000H                                                                                                             |
| Storage temperature       | -40° à +85°C                                                                                                         |
| Humidity (non-condensing) | ~85%                                                                                                                 |

| Electromagnetic compatibility 2014/30/UE / Low Voltage Directive 2014/35/UE<br>Immunity standard for industrial environments EN 61000-6-2 |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| ESD                                                                                                                                       | EN61000-4-2            |
| Radiated Susceptibility                                                                                                                   | EN61000-4-3            |
| EFT/Burst                                                                                                                                 | 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 |

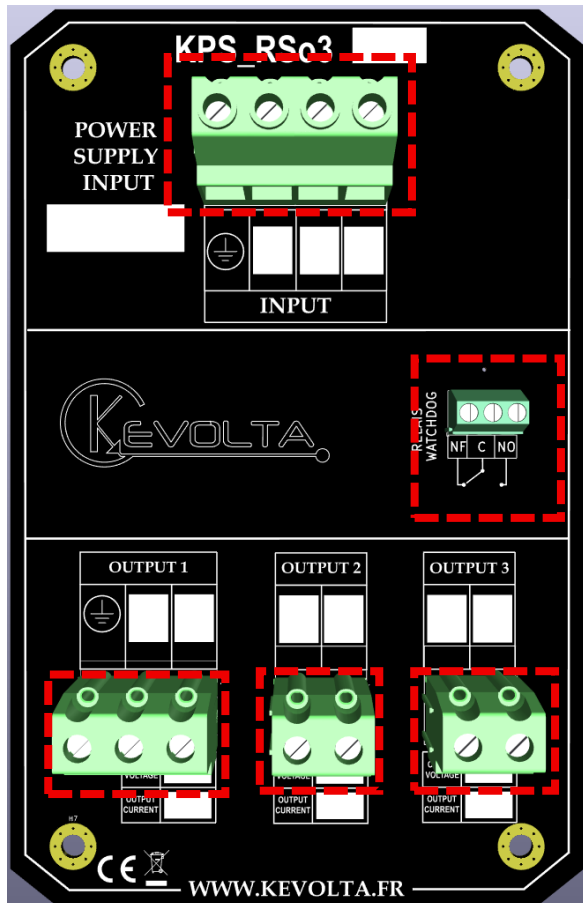
## Output power characteristics according to input voltage:



## Output power characteristics according to ambient temperature:



## Connections :



### Power terminal block according to input voltage

|       |                                  |
|-------|----------------------------------|
| PIN 1 | TERRE (ground)                   |
| PIN 2 | L1 (Triphasé )                   |
| PIN 3 | L2 (Triphasé ) / N ( Monophasé ) |
| PIN 4 | L3 (Triphasé ) / L (monophasé)   |

### Option Relais Watchdog

|       |             |
|-------|-------------|
| PIN 1 | NF (fermé)  |
| PIN 2 | Commun      |
| PIN 3 | NO (ouvert) |

### terminal block Output 1

|       |                |
|-------|----------------|
| PIN 1 | TERRE (ground) |
| PIN 2 | V+ (VCC)       |
| PIN 3 | V- (GND)       |

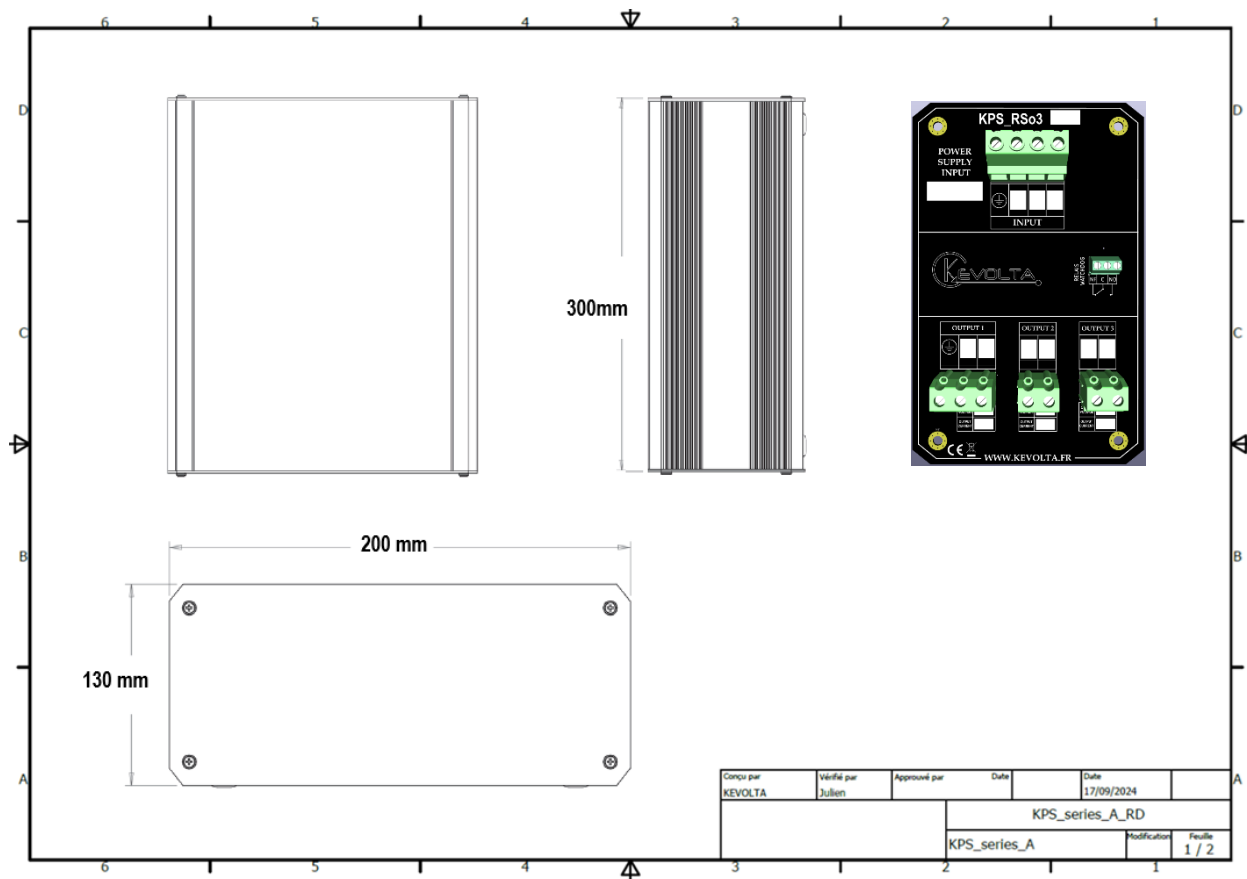
### terminal block Output 2

|       |          |
|-------|----------|
| PIN 1 | V+ (VCC) |
| PIN 2 | V- (GND) |

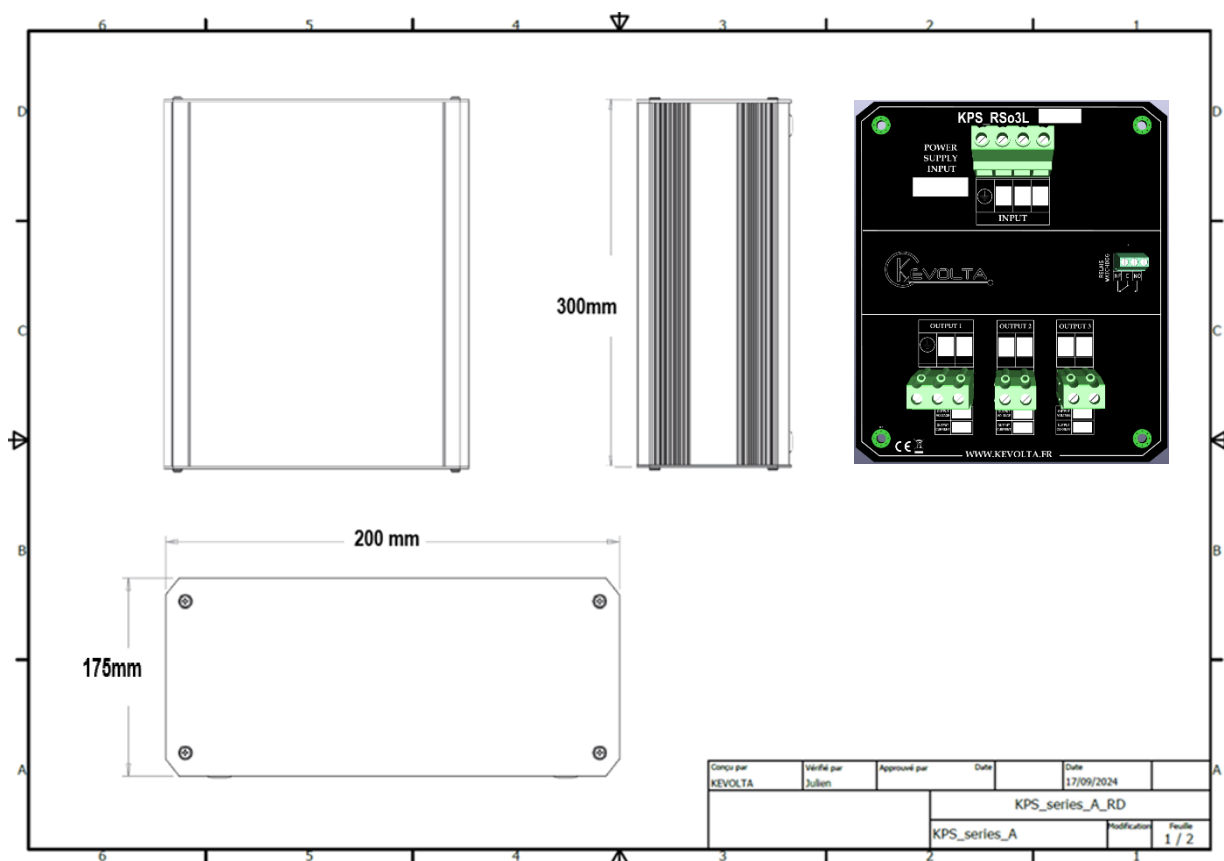
### terminal block Output 3

|       |          |
|-------|----------|
| PIN 1 | V+ (VCC) |
| PIN 2 | V- (GND) |

# Dimensions : Version Normal130x200x200mm



# Dimensions : Version Large 175x200x200mm



Dimensions : Version Large 175x200x200mm

