

POWER SUPPLY : 85Vac to 1300Vac or 120Vdc to 1800VDC

KPS_DCDC_HTO 150W

Description:

Industrial Power Supply – Robust, Configurable, and Fully Protected
Designed to meet the most demanding requirements of the industrial and energy sectors, our power supply offers a reliable, flexible, and durable solution.

- Fully configurable upon request: voltage, current, connectors, form factor, etc.
- Complete protection: against overloads, short circuits, overvoltages, and excessive temperatures
- Industrial robustness: guaranteed operation in the most demanding environments
- Applications: industrial automation, energy systems, photovoltaics, wind power, coal mining, critical equipment, etc.
- Contact us for a personalized study.

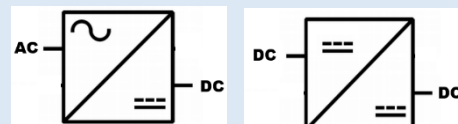


This power supply solution combines safety, ease of installation, and maximum reliability to meet the growing demand for innovation and technological performance.

The range is distinguished by a wide input voltage range, minimal ripple, and reduced heat generation, ensuring optimal stability. Its low standby power consumption, excellent energy efficiency, and high reliability make it a sustainable and high-performance choice.

Integrated thermal insulation further provides enhanced protection, even in demanding environments.

Synoptic:



Features :

Input :

-85Vac to 1300Vac
-120Vdc to 1800VDC

Output possibility :

-24Vdc / 28Vdc/32Vdc/35Vdc
- Fully protected: Short circuit, overload, thermal

Power output :

-150 W max

Option :

- DIN rail, surface or surface mounted



Technical specifications:

KPS_DCDC_HTO	
Input voltage typical	85 à 1300VAC 120Vcc à 1800Vcc
Inrush current	50A typique , selon modèle
Efficiency typical	>88%
Input frequency	DC ou de 47hz à 63hz
Output adjustment precision	+/-2% max
Output regulation	+/-2% max
Online regulation (input variation)	+/-0.5%
Output ripple	< 1% max (limité à 20MHz)
Temperature stability	+/-0.02%/°C typique
Protection	court-circuit continue , redémarrage automatique
Protection surcharge	110% à 140% du courant nominal
Switching frequency	65kHz typique
Output retention time	350ms typique
Isolation voltage	4000Vac

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 appropriate cross-section to connect the inputs and outputs.
- Protect the primary circuit with a recommended fuse.
- Position the power supply to ensure proper airflow for optimal ventilation.

Electromagnetic compatibility 2014/30/UE / Low Voltage Directive 2014/35/UE Immunity standard for industrial environments EN 61000-6-2	
ESD	EN61000-4-2 6kv Critère B
Radiated Susceptibility	EN61000-4-3 10V/m Critère B
EFT/Burest	EN61000-4-4 2kv et 4kv Critère B
Surge	EN61000-4-5 4kv Critère B
Conducted	EN61000-4-6 10Vrms Critère A

Environnement	
weight	~1.5kg selon la version
Dimensions	187mmx 113mmx 69mm
MTBF (+25°C)	300 000 H (Hors FAN)
Storage	-40° à +85°C
Humidity (not condensed)	~85%
Temperature working	-25 à +70° C

Output Specification			Max. Capacitive Load @450Vac	Ripple & Noise @ 20MHz	Efficiency@ 450Vac (Typ.)
Power	Voltage	Current	u F	mVp-p	%
(W)	Vo1(V)	Io (mA)			
150	24	6250	5000	100	88
150	28	5360	5000	120	88
150	32	4688	4500	150	89
150	35	4286	4000	150	89

Input Specifications					
Item	Operating Condition	Min.	Typ.	Max.	Unit
Input Voltage Range	AC Input	85	450	1300	VAC
	DC Input	120	636	1840	VDC
Input Frequency Range	-	47	50	63	Hz
Input Current	176VAC	/	/	1.8	A
	450VAC	/	/	0.8	
Surge Current	450VAC	/	/	130	
	760VAC	/	/	270	
	1300VAC	/	/	390	

Spécifications de sortie					
No load power consumption	Input 450VAC	-	-	1.5	W
	Input 1300VAC	-	-		
Minimum load	Single Output	0	-	-	%
Turn-on Delay Time	Rated input voltage, full load	-	2000	-	mS
Power-off Hold up Time	Input 450VAC (full load)	-	150	-	mS
	Input 760VAC (full load)	-	350	-	
Ripple & Noise	20Mhz bandwidth (peak to peak)	-	50	150	mV
Over Voltage Protection	Output 24VDC	≤35			VDC
	Output 28VDC	≤45			
	Output 32VDC	≤50			
	Output 35VDC	≤50			

