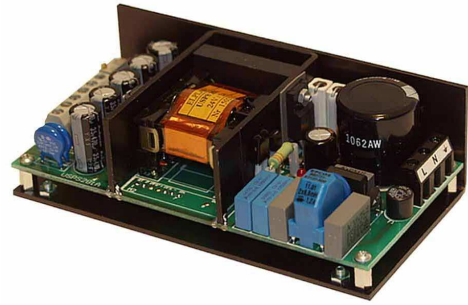


SWITCHING POWER SUPPLIES

USPS 501 SERIES

OPEN FRAME

- Power output: 50W
- Wide range of input voltages AC or DC: 87V÷260V AC, 90V÷350V DC
- 1-output power supplies
- 3-year guarantee
- Control and security systems
- High efficiency
- Parallel operation
- Full voltaic separation



USPS 501 is a series of switching power supplies with the maximum power output of 50W and general-purpose supply voltage range: 87V - 260V AC or 90V - 350V DC. Output voltage can be controlled within the range of $\pm 10\%$. The supplies can also be equipped with a POWER FAILURE alert system, output-voltage control and alert system (RESET).

TECHNICAL DATA

Input

Input voltage	87V to 260V AC 90V to 350V DC
Input frequency range	40Hz to 440Hz
Interference emission level	to EN 55022

Output

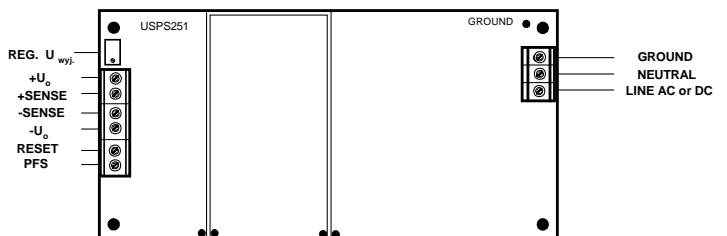
Control of output voltage, V_{out}	$\pm 10\%$
Stabilisation of U_{input} variations	$\leq 0.3\%$
Stabilisation of I_{load} variations	$\leq 0.3\%$
Temperature coefficient	0.04%/°C
Power output at 50°C	50W
Pulsating voltage	$U_t \leq 100mV_{pp}$ $U_{trms} \leq 10mV$

General

Modulation frequency	$f_p \leq 125kHz$
Modulation mode:	PWM- Flyback
Hold time 50%/Un/Pmax	$t_p \geq 30ms$
Efficiency (dependant on U_{output})	75÷85%
Dimensions	129 x 67 x 38 mm
Insulation strength	to EN 60950
Operating temperature	-10°C to +55°C
Relative humidity without condensation	5% to 95%

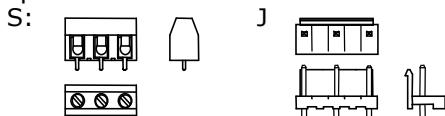
The construction satisfies the safety and electromagnetic compatibility requirements of the relevant EC standards.

MODEL	Output V_{nom}/I_{max}
USPS501-5	5V/10.0A
USPS501-12	12V/4.0A
USPS501-15	15V/3.0A
USPS501-24	24V/2.0A



Other options are available on request

Input connector



Output connector

