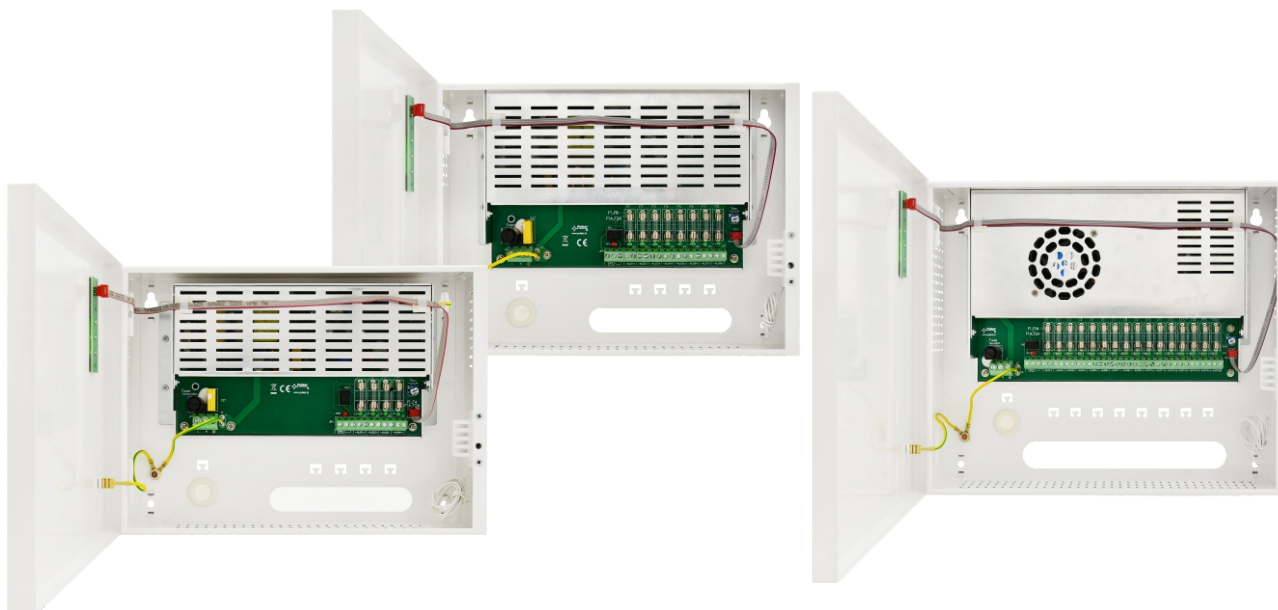


CODE: **HPSPDC** v.1.0/1  
NAME: **Multi-output power supply units**

EN



#### Features:

- supply voltage ~200 - 240 V
- available versions with **4, 8 or 16 outputs** protected with fuses
- high efficiency (**up to 86%**)
- adjustable output voltage **12 - 15V DC**
- LED optical indication
- **FPS technical** output of fuse activation indication
- protections:
  - SCP short circuit protection
  - OVP overvoltage protection
  - surge protection
  - OLP overload protection
  - antisabotage protection: unwanted enclosure opening
- warranty – 2 years from production date

#### DESCRIPTION

HPSPDC series stabilized power supplies are designed to supply power to HD cameras or other devices requiring stabilized voltage of 12 V DC. Output voltage is adjusted with a potentiometer within the range of 12 - 15 V DC. The PSU features 4, 8 or 16 outputs (depending on the model), protected independently by glass fuses.

A failure (an overload, a short circuit) in the output circuit will result in blowing of the fuse  $F_n$  and disconnection of the corresponding AUX $_n$  output from the power supply. The power supplies are equipped with short-circuit, overload, overvoltage and overcurrent protection. They are mounted inside a metal enclosure equipped with a signalling panel and a microswitch indicating the opening of the door (lid).

#### PARAMETERS OF POWER SUPPLIES:

Model	Number of outputs	Output voltage AUX	Output current max.
HPSPDC-12V4x1A	4	12 V (12 – 15 V)	4 A
HPSPDC-12V8x1A	8		7 A
HPSPDC-12V16x1A	16		15 A

TECHNICAL DATA	HPSCD-12V4x1A	HPSCD-12V8x1A	HPSCD-12V16x1A
Supply voltage:	~ 200 – 240 V		
Current consumption:	0,5 A	0,8 A	1,6 A
Ripple voltage:	50mV p-p max.	50mV p-p max.	100mV p-p max.
Power frequency:	50/60 Hz		
Inrush current:	40 A	50 A	60 A
PSU power:	48 W max.	84 W max.	180 W max.
Output current:	4x1 A ( $\Sigma I = 4A$ max.)	8x1 A ( $\Sigma I = 7A$ max.)	16x1 A ( $\Sigma I = 15A$ max.)
Efficiency:	86%	86%	85%
Output voltage (factory setting):	12 V DC		
Adjustment range $U_{AUX}$ :	12 – 15 V DC		
Short circuit protection SCP:	4x F 1A glass fuse fast blow	8x F 1A glass fuse fast blow	16x F 1A glass fuse fast blow
Type of glass fuse:	F1A...F2A		
Overload protection OLP:	105 – 150% PSU power, automatically recovered		
Surge protection:	varistors		
Over voltage protection OVP:	>19V (activation requires disconnecting the load or supply for about approx. 1 min.)		>19V (automatic recovery)
Protection in 230V circuit:	Glass fuse T3,15A		Glass fuse T5A
LED operation indication:	- LEDs on PCB of power supply unit - LED indicators on power supply's cover		
Technical output FPS – fuse failure:	relay: 1 A@ 30 V DC /50 V AC		
Operating conditions:	Temperature: -10°C ÷ +40°C relative humidity 20%...90%, without condensation		
Protection class EN 62368-1:	I (first)		
Protection grade EN 60529:	IP20		
Storage temperature:	-20°C...+60°C		
Vibrations and impulse waves during:	According to PN-83/T-42106		
Enclosure:	Steel sheet, 0.7mm, color RAL 9003		
Closing:	Cheese head screw (at the front), (lock assembly possible)		
Declarations, warranty:	CE, UKCA, 2 years from production date		
Notes:	Convictional cooling		Forced cooling (fan)