



PSD12050
PSD 12V/5A Desktop type power supply for CCTV
v.2.0



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EN

Features of power supply:

- power output 5A/12 V DC *
- universal AC input voltage range ~100 – 240 V
- high efficiency 89%
- LED optical signalisation
- standby power <0,21W
- efficiency level: VI
- protections:
 - SCP short-circuit protection
 - overvoltage protection (AC input)
 - overload (OLP)
- warranty – 2 years from production date

1. Technical description.

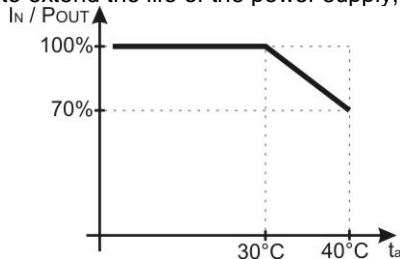
1.1. General description.

Stabilized DC power supply is intended for supply CCTV cameras that require stabilised voltage of **12V DC**. The unit has a cable with a DC5.5/2.1 plug. When connected to fuse blocks of LB4/xx/xx or LB8/xx/xx family, power supply unit can feed more cameras (max. 4 or 8). The unit is protected against short-circuit and overload.

1.2. Technical parameters.

Supply voltage	~100 – 240 V; 50/60 Hz
Current consumption	1,2 A
Supply power	60 W max.
Efficiency (average)	89%
Efficiency (10% load)	88%
Output voltage	12 V DC
Output current $t_{AMB}<30^{\circ}C$	5A - refer to graph 1.
Output current $t_{AMB}=40^{\circ}C$	3,5A - refer to graph 1.
Ripple voltage	100mV p-p max.
Short-circuit protection SCP	electronic, automatic recovery
Overload protection OLP	105-150% of power supply, automatic recovery
Optical signalisation	LED – presence of DC voltage
Operation conditions	temperature $0^{\circ}C - 40^{\circ}C$ relative humidity 20%...90%, without condensation
Dimensions (LxWxH)	116 x 54 (80) x 35 [mm]
Net/gross weight	0,30 / 0,34 [kg]
Protection class EN 62368-1	II (second)
Length of DC cable	1,45m + plug DC5,5/2,1 female
Length of AC cable	1,15m + mains plug
Storage temperature	-20°C...+60°C

* In order to extend the life of the power supply, the load current of 3,5A is recommended.



Graph 1.
Relation between output current and ambient

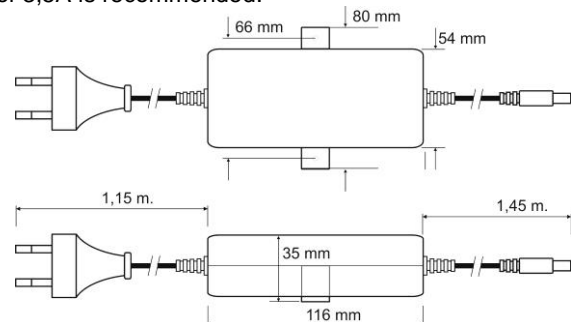


Fig.1. Dimension of power supply.

* Refer to graph 1

temperature (instantaneous load).

1.3. Accessories.

For power supplies are available accessories - fuse blocks and cable adapter. For details –visit www.pulsar.pl.

2. Installation.

2.1. Requirements.

The power supply shall be mounted by a qualified installer, holding relevant permits and licenses (applicable and required for a given country) with ~230 V mains supply. Unit should be mounted in confined spaces with normal relative humidity (RH=90% maximum, without condensing) and temperature from 0°C to +40°C


The power supply shall be mounted in a close casing (a cubicle, a terminal device) and in order to fulfill LVD and EMC requirements the rules for power supplies, encasing and shielding shall be observed according to application.

2.2. Installation procedure.

1. Connect the DC output to the load/loads.
2. Connect the power supply unit to the AC line. The power supply has to be installed in such way to keep the air flow around the supply unit.
3. After tests and operation control are performed, the casing (cubicle) shall be closed etc.

3. Maintenance.

Any and all maintenance operations may be performed following the disconnection of the power supply from the power network. The power supply does not require any specific maintenance procedures, however, in the case of significant level of dust, it should be cleaned with the compressed air.

	<p style="text-align: center;">WEEE LABEL Waste electrical and electronic equipment must not be disposed of with normal household waste. According to European Union WEEE Directive, waste electrical and electronic equipment should be disposed of separately from normal household waste.</p>
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