

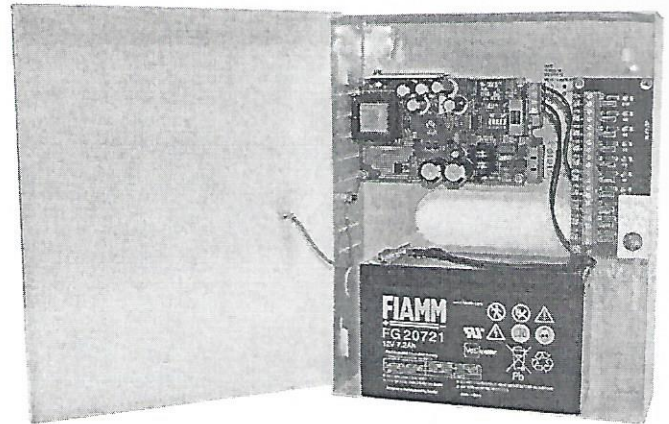
**P6AD-BAT BUFFERABLE CCTV CAMERA POWER SUPPLY DISTRIBUTOR WITH
BATTERY INSERTION OPTION, USER'S MANUAL
OUTPUT 10**

ATTENTION! Touching of mains terminal after power connection is dangerous! Use of protective earthing is compulsory for safety purposes!

1. Usage of the device

Battery is for illustration only

The device can be operated either in **UPS** or **PS** power supply mode. Selection of the operating mode is made by a DIP SWC inside. In **UPS** mode the output DC level is 13.8 VDC and cannot be adjusted. In **PS** mode the output level can be adjusted between 12 – 13.8 VDC. The **STATE** LEDs show the actual operation. The device has **ERROR** output contact which breaks in case of error (See **Table A**). The type of errors has to be permitted by DIP SWC inside. Choose the appropriate one according to **Table B**. The device switches off **LOAD** output if short-circuit or overload occurs. In every 10 s the **LOAD** output is tested.



2. PS operating mode (default)

Open the door of the device. Choose the **PS** operating mode by a DIP SWC. Plug the mains voltage to the input contact **AC IN 230 V 50/60 Hz** and the cameras to **OUT 1. - OUT 10** output. If the measured voltage at the cameras is dropped, (e.g. too long wire) increase the output voltage using trimmer potentiometer on the panel.

3. UPS buffered operating mode

Choose the **UPS** operating mode by a DIP SWC. Connect mains to connector **AC IN 230 V 50/60 Hz** and the battery to output **BAT** with proper polarity. Connect the cameras to **OUT 1. - OUT 10** output. Usage of **ME.12V/1A** voltage reducer unit is recommended.

4. Operation of deep discharge

The load is switched off if battery voltage is below 10.5 V.
The load is switched on if battery voltage is 12.5 V (battery is charged).
Charging time: 8 hours in case of 12V/7Ah battery.

Table A The LED signals are without delay.

LED lights	LED not light	Error contact delay
Mains OK: AC	No power: AC	20 s
LOAD output OK: DC	No LOAD output: DC	20 s
Battery OK: BAT	Battery is flat: BAT	0 s
LED flashing		
Battery change: BAT		1 h (total delay time)
System overheating: AC DC BAT		0 s

Table B

Specifications	Protections	DIP SWC settings
Input: 230 V ±10 % 47...63 Hz 0.77 A	<u>AC input</u>	1 – ON PS Mode
Insulation class: I.	Mains impulse overvoltage	OFF UPS Mode
Protection: IP 20	<u>DC output</u>	<u>Choosable error types</u>
Rated power: 80 W	Overloading (OLP)	2 – ON TEMP ERROR
Output voltage PS: 10 x 12 V to 13.8 VDC	Short-circuit (SCP)	3 – ON DC ERROR
Output voltage UPS: 10 x 13.8 VDC	Overheating (OHP)	4 – ON BATT ERROR
Load current PS: 10 x 0.6 A	Overvoltage (OVP)	5 – ON AC ERROR
Load current UPS: 10 x 0.5 A	Deep discharge (UVP)	
Charging current UPS: 1 A	Reverse polarity (RCP)	
Space for battery: 12V/7 Ah – 9 Ah	Camera output protection	
Error contact: max 30 VDC – 100 mA	(10 x 1.3 A PTC)	
Max ambient temperature: -10 °C...+ 40 °C		
Dimensions: W=210 H=260 D=67+8 (mm)		
Weight: 1.48 kg		