

# ME.80-14/6ASW-KTEI BUFFERABLE CCTV CAMERA INTELLIGENT II. 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

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 20 s the **LOAD** output is tested.

Battery is for illustration only



## 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**

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
UPS mode with battery:	BAT	Deep discharge protection:	BAT	0 s
LED flashing				
UPS mode without battery:	BAT No battery			5 s
UPS mode with battery:	BAT Change battery			60 s test time

**Table B**

Specifications	Protections	DIP SWC settings
Input: 230 V $\pm 10\%$ 47 to 63 Hz 0.77 A Insulation class: I. Protection: IP 20 Rated power: 80 W Output voltage PS: 12 VDC to 13.8 VDC Output voltage UPS: 13.8 VDC Load current PS: 10 x 0.6 A Load current UPS: 10 x 0.52 A / 0.47 A Charging current UPS: 0.8 A / 1.3 A Space for battery: 12V / 7 Ah Error contact: max 30 VDC – 100 mA Max ambient temperature: -10 °C...+ 40 °C Dimensions: W = 210 H = 260 D = 67+8 (mm) Weight: 1.48 kgs	<u>AC input</u> Mains impulse overvoltage  <u>DC output</u> Overloading (OLP) Short-circuit (SCP) Overheating (OHP) Overvoltage (OVP) Deep discharge (UVP) Reverse polarity (RCP)  Camera output protection (10 x 1.3 A PTC)	1 – ON PS Mode OFF UPS Mode  <u>Choosable error types</u> 2 – ON TEMP ERROR 3 – ON DC ERROR 4 – ON BATT ERROR 5 – ON AC ERROR 6 – OFF 0.8 A CHARGING ON 1.3 A CURRENR