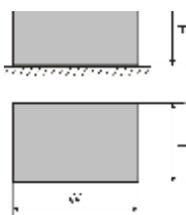
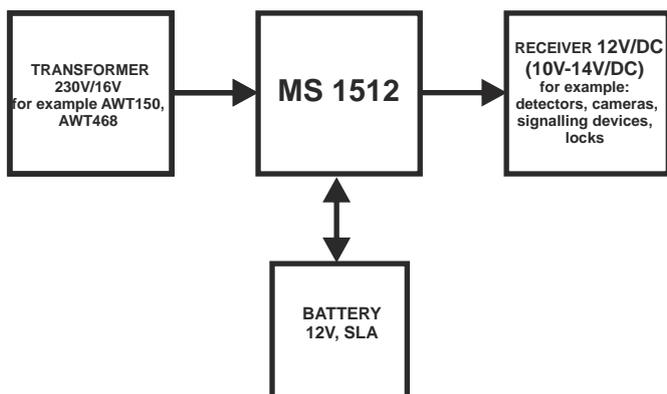


CODE: **MS 1512 v.2.0**
 TYPE: **MS-13.8V/1.5A**



DESCRIPTION

The module of buffer power supply unit is destined for uninterruptible supplying devices requiring stabilized voltage 12 V/DC (+/-15%). The power supply unit supplies voltage $U = 11.0 \text{ V} \div 13.8 \text{ V DC}$ of total current efficiency $I_{\text{max}} = 1.5 \text{ A}$. In case of network power supply failure, immediate switching over to battery supply takes place. The power supply unit is equipped with protections: short-circuit protection (SCP), overload protection (OLP), over heating protection (OHP). It is adapted for cooperation with lead-acid, dry battery (SLA). The power supply unit automatically controls the process of charging and maintaining the battery, moreover it is equipped with BAT output protections: short-circuit protection and protection against reversed polarity of connection. The module is equipped with optical signaling informing about operation status (AC supply, LB charging, DC output).

TECHNICAL DATA

| | |
|--|---|
| Casing: | no. open-frame design, IP00 |
| Dimensions: | 75 x 53 x 24 (WxLxH) |
| Net/ gross weight: | 0.06 / 0.11 [kg] |
| Antisabotage protection: | no |
| Installation: | mounting pins x 4 (PCB = 4.2 mm) |
| Remarks: | adapted for connection to fixed supply installation |
| Power supply: | 16 V \div 22 V/AC (-5%/+5%), 50 Hz, 2,1A max. |
| Transformer: | 40 VA (for example AWT150, AWT468) |
| Power of the PSU: | P=21 W max. |
| PSU type: | A (EPS- External Power Source) |
| Output voltage: | 11.0 V \div 13.8 V- buffer op., <13.8 VDC- battery op., 30 mVp-p max |
| Output current: | 1.5 A max. (U _{bat} >13.5 V) |
| Number of supply outputs: | 1 |
| Battery charging current: | 200 mA (@1,2 Ah, U _{bat} =10.0 V)/500 mA max (@7 Ah, U _{bat} =10.0 V) (\pm 5%) |
| Current consumption by the PSU: | 5 mA max. |
| Short-circuit protection (SCP): | 200%-250% of the PSU power (F electronic + F1) |
| Over-load protection (OLP): | 110%-150% (@25°C \div 55°C) of PSU power (PTC multiple-shot fuse) |
| Over-voltage protection (OVP): | no (option MZN1 module) |
| Supervoltage protection: | varistors |
| Battery protection (UVP, SCP): | 2 A fuse, reversed connection of the battery |
| Technical output BS (AC failure): | no |
| Type of technical output: | no |
| Optical signaling of operation: | LEDs: AC supply status, AUX output status, LB battery charging |
| Operating conditions: | 2nd environmental class, -10°C \div 40°C |
| Certificates, declarations: | CE, RoHS |
| Remarks: | PSU cooling: convection, BAT output: connectors 6.3 F-2.5, 30 cm I/O: connectors 0.41 \div 1.63 (AWG 26-14) |