



APS-1412

12 V DC

APS-724

24 V DC



Switch-mode
backup power supplies

Many applications

The power supplies differ in their output voltage: 12 V DC for APS-1412 and 24 V DC for APS-724. Thus, you can choose a device with voltage suitable for the system to be power supplied:

1. alarm
 2. CCTV
 3. intercom
 4. access control
 5. building automation
- and many more.

EMERGENCY POWER SUPPLY

In the event of a power outage, the power supplies can use one or several batteries as an emergency power source. This ensures continuity of the system operation, even for many hours, when the main power source is not available.

Example

Connecting two batteries in parallel makes it possible to double the total time of emergency power supply.



2x longer battery backup time



Output current

Both power supplies are characterized by high output current:

APS-1412

14 A*: **12 A** (powering devices) + **2 A** (charging battery)

APS-724

7 A*: **6 A** (powering devices) + **1 A** (charging battery)

* When the battery is being charged, this value becomes reduced by the maximum battery charging current.

In practice

Example

During installation of CCTV monitoring, several dozen (~50) cameras with high current consumption (up to 250 mA) can be connected to the APS-1412 (12 V, 14 A) power supply.

~50
250 mA



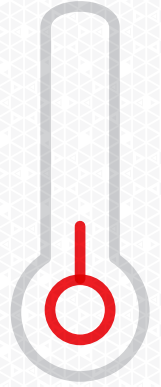
High energy efficiency

APS-1412
to **92%**

APS-724
to **94%**

Energy efficiency of the new SATEL power supplies exceeds 90%.

Optimization of the device structure, including the use of high-efficiency components, translates into low heat emission and eliminates the need for additional cooling.



Efficient operation and longer lifespan

The APS power supplies are provided with:

- interference suppression filters (on input and output)
- active power factor correction systems - up to 0.99*
- precision voltage control.

This ensures very good and stable operating parameters, even at high supply voltage fluctuations.

Additionally, **APS-1412** and **APS-724** come with:

- battery charge status control (including internal resistance measurement)
- battery deep discharge protection.

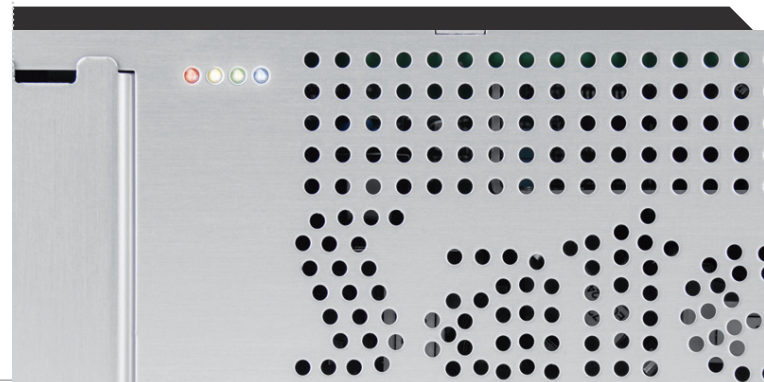
These solutions reduce the risk of damage to the emergency power source.

* According to EN 61000-3-2 for devices with rated power greater than 75 W.



Safety of the power supplies is ensured by a number of protections:

- over-current (OCP)
- short-circuit (SCP)
- over-temperature (OTP).



Conformity with standards

APS-1412 and **APS-724** meet:

- Grade 2 requirements (catalog of EN 50131-3 regulations)
- EN 60950-1 safety standard
- EN 55011 Class B standard, in terms of the level of conducted and radiated electromagnetic interference (EMI).

Device status indication

The new power supplies are provided with 4 LEDs indicating:

- power output status
- battery status
- AC power output status (over-current)
- over-temperature of power supply.

APS-1412

Features:

- 12 V DC switch-mode power supply
- output current: 14 A or 12 A (powering devices) + 2 A (charging battery)
- compliant with:
 - » EN 50131-3 Grade 2 requirements
 - » EN 60950-1 safety standard requirements
 - » EN 55011 Class B standard regarding the level of conducted and radiated EMI
- active power factor correction system (up to 0.99)
- energy efficiency up to 92%
- short-circuit, over-current and over-temperature protection
- designed for use with sealed lead-acid battery
- battery deep discharge protection
- 4 OC outputs for trouble indication
- optical indication of power output status, battery status, AC output status (over-current), over-temperature of power supply
- audible indication of troubles
- anodized aluminum enclosure
- IEC C14 power cable connector
- connector for SATEL devices



APS-724

Features:

- 24 V DC switch-mode power supply
- output current: 7 A (output) or 6 A (powering devices) + 1 A (charging battery)
- compliant with:
 - » EN 50131-3 Grade 2 requirements
 - » EN 60950-1 safety standard requirements
 - » EN 55011 Class B standard regarding the level of conducted and radiated EMI
- active power factor correction system (up to 0.99)
- energy efficiency up to 94%
- short-circuit, over-current and over-temperature protection
- designed for use with sealed lead-acid battery
- battery deep discharge protection
- 4 OC outputs for trouble indication
- optical indication of power output status, battery status, AC output status (over-current), over-temperature of power supply
- audible indication of troubles
- anodized aluminum enclosure
- IEC C14 power cable connector

