



ImproX IPS

Product Specification Catalogue

The ImproX (IPS) Integrated Power Supply has been developed to decrease installation time and improve system stability. The ImproX IPS offers the benefit of a combined, battery backed, Power Supply and ImproX Controller or Terminal.

The complete unit comes housed in a powder coated, mild steel cabinet. As the Power Supply is not waterproof, we ask that you install and use the product indoors.

The Power Supply's construction includes a universal mounting bracket for selected ImproX hardware. Hardware suitable for mounting inside the Power Supply includes the ImproX iTT, ImproX iTRT, ImproX MfT, ImproX EC^{II} Controller or IDS500 Controller.

The ImproX IPS includes a 3 Amp Switch Mode Power Supply which provides two outputs, both with a voltage of 13.8 V DC. The combined current supply from both outputs may not exceed 2 Amps. The remaining 1 Amp is used for battery charging and system requirements.

Key Features

- A 3 Amp Switch Mode Power Supply providing 13.8 V DC to charge a 12 V 7Ahr Sealed Lead Acid Battery.
- Nominal output voltage of 13.8 V DC with a fully charged Battery.
- Automatic switch-over to Battery operation on Mains Failure.
- Compact, Mild Steel Cabinet, accommodating the Power Supply, Controller or Terminal and a Sealed Lead Acid Battery.
- Two 13.8 V Power Outputs for powering a Terminal or Controller and, for example, a lock. Together these Outputs have a maximum power output of 2 A (max) continuous at 13.8 V DC.
- Five Quick Click Glands for easy wiring.

ImproX (IPS)

Integrated Power Supply

IPS900-0-0-GB-XX

Physical Specifications

Length	: 305 mm (12 in).
Width	: 295 mm (11 in).
Height	: 77 mm (3 in).
Approximate Weight	: 3 kg (7 lb).
Cabinet Material	: Mild Steel.
Colour	: Black.

Environmental Specifications

Operating Temperature	: -25°C to +60°C (-13°F to +140°F).
Storage Temperature	: -40°C to +80°C (-40°F to +176°F).
Humidity Range	: 0 to 95% relative humidity at +40°C (+104°F) non-condensing.

Approvals

CE Approval	: EN301-489-3, EN301-489-1 and EN300-330-1.
FCC Approval	: Pending.
Dust & Splash Resistance	: Designed to work in an indoor (dry) environment similar to IP20. The ImproX IPS is, therefore, not sealed against water.
Drop Endurance	: 1 m (3.28 ft) drop (in packaging).

Electrical Specifications

The Power Supply Combo includes a 3 A Switch Mode Power Supply which provides power for the (optional) internal unit and for charging the (optional) backup Battery. As the Power Supply Combo needs no more than 1 A, you may power extra devices using up to 2 A continuous current from the provided connector block. DO NOT exceed this 2 A limit on continuous current draw. Devices with a high in-rush current demand, such as certain maglocks and other electromechanical devices, can momentarily draw more than 3 A. The Power Supply then effectively shuts down as directed by its built in protection as exceeding the 3 A rating is considered a short-circuit. Overcome this by installing the recommended 12 V 7 Ahr Battery to help supplement the in-rush current such a device may draw on activation.

Power

Input Voltage	: 85 V AC to 265 V AC at 50/60 Hz.
Output Voltage (Mains Power On)	: 13.8 V DC ±0.3 V DC.
Output Current	: 2 A continuous (Power Output Terminals).

Battery

Type	: 12 V Sealed Lead Acid Battery, 7 Ahr (Max).
Length	: 151 mm (6 in) (Max).
Width	: 65 mm (3 in) (Max).
Height	: 99 mm (4 in) including the Terminals (Max).
Charge Voltage	: 13.8 V DC.



Related Information

For extra information relating to this product refer to the:

- ImproX IPS Hardware Installation Manual (IPS300-0-0-GB-XX).

Ordering Information

Order the ImproX (IPS) Integrated Power Supply using the following Part Number:

- IPS900-0-0-GB-XX: ImproX (IPS) Integrated Power Supply.

Warranty Details

This product conforms to our Warranty details on www.impro.net.

This Product Specification Catalogue applies to the ImproX (IPS) Integrated Power Supply, IPS900-0-0-GB-01.
(The last two digits of the Impro stock code point to the issue status of the document or product).

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