

Main Features

- Input Voltage: 230Vac +10% -15% 50/60 Hz.
- Stability: above 1%.
- 3 outputs, each protected against short circuit and with a 4A current limit. (SPS24060G and SPS24160G version only)
- Graphic LCD, Buzzer, Current draw monitoring on each output, Events log for the last 50 events. (SPS24060G and SPS24160G version only)
- Directly connectable to the detection loop of the control panel (SPS24060S and SPS24160S versions only)
- Capable of connection to the RS485 BUS of the control panel for the supervision of the power supply station and control of the outputs (SPS24060G and SPS24160G versions only)
- Independent built-in battery charger with thermal probe for battery temperature measurement
- Battery supervision
- Deep discharge protection (disconnects batteries)
- Fault signal relay output
- Detection of dispersion-to-earth fault
- Certified CPD EN54-4



SPS24060G

- LCD
- Connects to RS485 BUS
- Internal switching power-supply module 1.5A @ 27.6V
- Housing for two 7Ah, 12V batteries
- Dimensions (LxWxD): 325 x 325 x 80 mm.
- Weight (without batteries): 3 kg



SPS24160G

- LCD
- Connects to RS485 BUS
- Internal switching power-supply module 4A @ 27.6V
- Housing for two 17Ah, 12V batteries
- Dimensions (LxWxD): 497 x 380 x 87 mm
- Weight (without batteries): 6 kg



SPS24060S

- Connects to the detection loop
- Internal switching power-supply module 1.5A @ 27.6V
- Housing for two 7Ah, 12V batteries
- Dimensions (LxWxD): 325 x 325 x 80 mm.
- Weight (without batteries): 3 kg



SPS24160S

- Connects to the detection loop
- Internal switching power-supply module 4A @ 27.6V
- Housing for two 17Ah, 12V batteries
- Dimensions (HxWxD): 497 x 380 x 87 mm.
- Weight (without batteries): 6 kg

Power supply modules and boxed power supplies

INIM offers two switching power supply/battery charger units: the 1.5A model and the 4A model.

"In box" versions of both models are available. The "in box" version consists of a switching power supply module inside a metal enclosure that also provides housing for two 12V batteries. This solution is ideal for applications where supervision of all the power supply components is not essential. All models provide a thermal probe input. This device protects the batteries against overheating and successive damage by measuring the battery temperature and regulating the battery-charge voltage accordingly.

The switching module is based on a CPU that manages its own parameters (temperature, current, voltage), the battery charging operation (by means of an independent circuit) and supervises the batteries (voltage, internal resistance, etc.) and other parameters of the system (output current and voltage, dispersion to earth, etc.).

IPS24060G - Power supply module @ 1.5A

BPS24060G - In box power supply module @ 1.5A

- CPU based power supply
- Input Voltage: 230Vac \pm 15%, 50Hz
- Mains absorption: 0.4A
- Output Voltage: 27.6Vdc
- Maximum Current: 1.5Adc
- Stability: above 1%.
- Overload protection
- Short-circuit protection
- Independent built-in battery charger with battery charge adjustment in accordance with the battery temperature (ProbeTH thermal probe management).
- Metal enclosure
- Deep discharge protection (disconnects batteries)
- Detection of dispersion-to-earth fault
- Internal temperature management of switching module



IPS24060G



BPS24060G

BPS24060G model:

- Housing for two 7Ah, 12V batteries
- Dimensions (LxWxD): 325x325x80mm.
- Weight (without batteries): 3Kg

IPS24160G - Power supply module @ 4A

BPS24160G - In box power supply module @ 4A

- CPU based power supply
- Input Voltage: 230Vac \pm 15%, 50Hz
- Mains absorption: 0.9A
- Output Voltage: 27.6Vdc
- Maximum: 4Adc
- Stability: above 1%
- Overload protection
- Short-circuit protection
- Independent built-in battery charger with battery-charge adjustment in accordance with the battery temperature (ProbeTH thermal probe management).
- Metal enclosure
- Deep discharge protection (disconnects batteries)
- Detection of dispersion-to-earth fault
- Internal temperature management of switching module



IPS24160G



BPS24160G

BPS24140 model features:

- Housing for two 17Ah, 12V batteries
- Dimensions (LxWxD): 497x380x87mm
- Weight (without batteries): 6Kg

POWER STATIONS AND MODULES

ProbeTH



Attachment of the thermal probe (optional) to the control panel/power supply station allows the battery-charge voltage to be regulated in accordance with the battery temperature, this optimizes the charge voltage and results in longer battery life.

ORDER CODES

SPS24060G: 24V, 1.5A power supply station with LCD and RS485 connection capability

SPS24160G: 4V, 4A power supply station with LCD and RS485 connection capability

SPS24060S: 4V, 1.5A power supply station with LED status indicators and Inim Loop connection capability

SPS24160S: 4V, 4A power supply module with LED status indicators and Inim Loop connection capability

IPS24060G: 1.5A power supply module

IPS24160G: A power supply module

BPS24060G: In box 1.5A power supply module

BPS24160G: In box 4A power supply module

ProbeTH: Thermal probe