

Power supply modules and Boxed power supplies



Inim offers two switching power supply/battery charger units: the 1.5A model and the 4A model. Each model is available in a 'in-box' version. It consists of a switching power supply module housed in a metal cabinet where two batteries 12V can be housed too.

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



BPS24060G



IPS24160G



BPS24160G

IPS24060G – 1.5A power supply module

BPS24060G – 1.5A power supply module in enclosure

- CPU based power supply
- Input voltage: 230Vac $\pm$ 15%, 50Hz
- Mains absorption: 0.4A
- Output voltage: 27.6Vdc
- Maximum current: 1.5Adc
- Stability: higher than 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
- Batteries disconnection in case of deep discharge
- Detection of dispersion-to-earth fault
- Internal temperature management of switching module

For the BPS24060G model:

- Battery housing for two 7Ah, 12V batteries
- Dimensions (HxWxD): 325x325x80 mm
- Weight (without batteries): 3 Kg

IPS24160G – 4A power supply module

BPS24160G – 4A power supply module in enclosure

- CPU based power supply
- Input voltage: 230Vac $\pm$ 15%, 50Hz
- Mains absorption: 0.9A
- Output voltage: 27.6Vdc
- Maximum current: 4Adc
- Stability: higher than 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
- Batteries disconnection in case of deep discharge
- Detection of dispersion-to-earth fault
- Internal temperature management of switching module

For the BPS24160G model:

- Battery housing for two 17Ah, 12V batteries
- Dimensions (HxWxD): 497x380x87 mm
- Weight (without batteries): 6 Kg