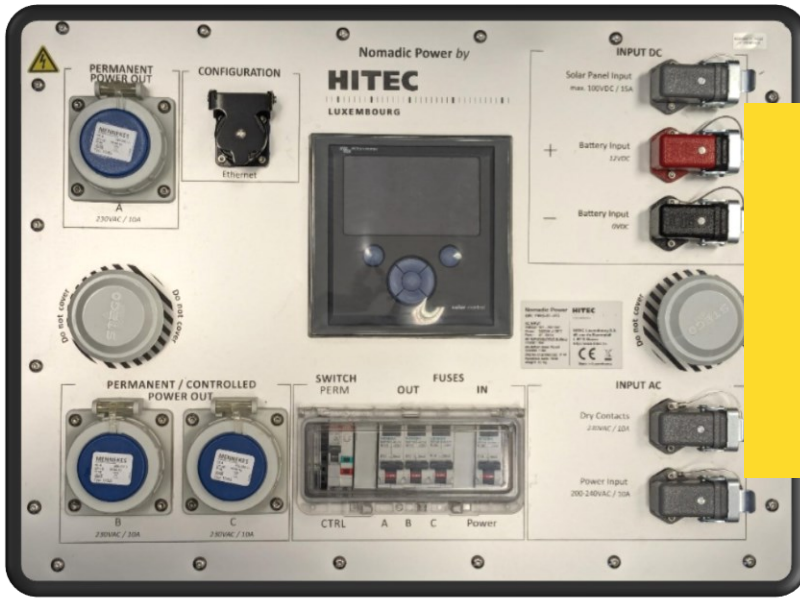


NOMADIC POWER BOX®



HITEC
LUXEMBOURG



BOX 1 OF 2

Weight: 32kg / 70.5lbs
Dimensions (incl. wheels) (HxWxD)
40x50x66cm / 15.68x19.47x25.58in

PWB-01-001.A

IDEAL UNIVERSAL SOLUTION TO ENSURE POWER SUPPLY CONTINUITY IN ROUGH ENVIRONMENTS

Nomadic Power Box® is the ideal solution to ensure the continuous power supply for your electrical equipment in remote and rough environments e.g., command posts during reconstruction missions, infrastructure establishment in humanitarian operations or in big scale crisis situations, demanding a reliable uninterruptable power supply.

The Power Box will make reliable the imperfect available power sources on the field: grid power, electrical generators, any car battery type (e.g., 12V gel car batteries) and solar panels.

The Power Box is an online UPS which is connected between line power and powered equipment. There is no switching interruption of the power in case the line power is down or interrupted. The manager handles the charging of the batteries, either via grid power or solar panel power.

Several standard batteries can be used in parallel to increase the available power using the provided battery cable kit. This way, users on remote site can put together car batteries as power source according to their needs.

The Power Box provides power outputs with different priorities. A permanent power output and two controlled power outputs. The permanent power output is continuously supplied with power, even if the grid power goes down until the batteries provide no power anymore.

The controlled power outputs have a lower priority and could be configured to switch off after a delay time (e.g., 10 minutes or when the battery voltage runs below a defined threshold).

Several options are available to load the batteries:

- grid power, when it is available
- a solar panel
- an electrical generator, the generator can be switched on when the battery level runs below a defined threshold

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TERMINAL CONNECTIONS

- 1 x Array of solar panels (optional)
- 1 x Cable for array of solar panels (optional)
- 1 x Power in connector (3m)
- 1 x Cables set for batteries (3m)
- 2 x Cables set for parallel connection of batteries (1m)
- 1 x Cable (flexible) for grounding

ENVIRONMENTAL CONDITIONS

- Temperature: -20°C to 50°C
- Humidity: 20 to 99% (condensing)
- Sealing class: IP44

AC POWER INPUT

- AC power supply 187-265 VAC/ 45-65 Hz
- Consumption max. 2000 VA at 25°C
- Dry contact 230 VAC / 10 A

AC POWER OUTPUT

- Uninterruptible AC power output 230 VAC- 50Hz/60 Hz (configurable)
- Permanent power out max. 1000 VA
- Controlled power out max. 2000 VA

DC SOLAR POWER INPUT

- Solar panel 100 VDC / 15 A
- 220W at 12 VDC battery

DC POWER

- Battery 12 VDC / 80 A

DC BATTERY CHARGING POWER

- Battery 14,4 VDC / 16 A

PACKAGING

- Number of cases: 1 x Terminal case
1 x Accessories case
- Total weight: 32 kg for terminal
22 kg for accessories case



For more information contact your HITEC Luxembourg representative:
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