Overview

The Power Module provides power to the Distribution Module of the N-Connex system. The Power Module connects to a single phase 110-240 VAC source and supplies an output load of 48 VDC at approximately 5 Amps.

Adding the optional (recommended) Battery Module will provide the Power Module with an Uninterruptable Power Supply (UPS) function. The Power Module will also provide a dedicated connection for the Battery Module.

As with all N-Connex modules it is fit-for-purpose and is designed for harsh environments. The module can be mounted on the NLT proprietary quick-fit rail or be mounted as a standalone device.

Specifications

**Input Data**
- Nominal Input Voltage (selectable): 115 / 230 – 277 VAC
- Voltage Range: 90 – 135, 180 – 305 VAC
- Inrush Current (Vn – In nom. Load) I2t ≤ 16 A, ≤ 5 msec
- Input Current (115 – 230 Vac): 3.3 – 2.2 A
- Frequency: 47-63 Hz

**Output Data**
- Output Voltage (Vn) / Nominal Current (In): 48 VDC/ 5A
- Efficiency (at 50% of rated current): ≥ 83%
- Turn-On delay after applying mains voltage: 1.5 sec. (max)
- Start up with Strong Load (capacitive load): Yes, Unlimited
- Short-circuit, Overload & Thermal Protection: Yes

**Battery Output**
- Boost charge (25 °C) (at In): 57.6 VDC
- Max. time Bust Charge: 15 h
- Reverse battery protection: Yes
- Detection of element in short circuit: Yes

**Physical Parameters Unit Dimensions**
- 270mm(L) x 257mm (H) x 197mm (D)

**Unit Weight**: 6.2 kg

**Enclosure Protection Class**: IP67

**Operating Temperature**: -20°C to 40°C

**Ambient Humidity**: 5% to 95% RH (non-condensing)

Key Features

- Selectable AC Input Voltage 110 / 240 VAC, 47 ÷ 63 Hz
- Total Power Output of 200W at 25°C
- Status indicator Green LED for AC power ON
- Status indicator Green LED when connected to Battery Module
- Status indicator Blue LED for Battery Power ON
- Consistent styling with N-Connex Modules
- IP67 protected enclosure
- UPS Functionality (with optional Battery Module)
- Up to 8 hours backup with the optional Battery Module depending on load
- Standalone or quick-fit rail mounting

Note: Technical specifications are subject to change without notice.