

NIM Portable 150W

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NIM Portable 150W



For portable applications this transportable mini NIM crate is suited best for providing 7 NIM slots, (2½ slots used by UEP15 power supply), in a solid steel-aluminum construction. The top cover is equipped with a handle and has a side perforation for convection cooling airflow. The crate is equipped with the very compact UEP15 - 150W, slot power supply providing all 6 DC voltages.

Main Features

- 7½ slot non-ventilated portable NIM bin UEN 04T (5 slots free)
- Stabilized stainless steel card guide structure, top cover with handle
- Front side plug-in slot power supply 2.5 NIM slots wide, 150W power output
- 6-fold DC outputs (+/-6V, +/-12V, +/-24V), stabilized by adjustable monolithic voltage regulators switch-off protection for over / under voltage and over temperature failures
- AC input 230V/50 Hz or 110V/60Hz

UEN 04T NIM portable bin:

- 7½ slot non-ventilated NIM bin UEL 04T, (5 slots free)
- Stabilized stainless steel card guide structure, top cover with handle
- Bin equipped with long-life NIM connectors, all DC lines wired,
- Dimensions: 270mm x 5U (222.3mm) x 340mm [whd], weight: ca. 3 Kg

UEP 15 power supply:

- Front side plug-in slot power supply 2.5 NIM slots wide, 150W power output
- 6-fold DC outputs (+/-6V, +/-12V, +/-24V), stabilized by adjustable monolithic voltage regulators switch-off protection for over / under voltage and over temperature failures
- Power distribution rear side via standard NIM connector
- Front panel with mains switch and control LED's for status and failure
- AC input 230V/50 Hz or 110V/60Hz
- Dimensions: width 2 1/2 NIM, height 183 mm, depth 249 mm, weight: 7.5 kg
- CE Conformity

Standard Crate configurations (other possible on request)

Type	Slots	+6V/-6V	+12V/-12V	+24V/-24V	115VAC	Type/Power
NIM 150T_x	7 (5)*	5A/5A	3A/3A	1.5A/1.5A	0.25A	UEP15 / 150W
NIM 150TAS_x	7(5)*	5A/5A	3A/3A	2.5A/0.5A	0.25A	UEP15AS / 150W

Note: _x = defines the AC input voltage, factory default is 220V AC (without index)

x = B: 110V AC

x = J: 100V AC

x = E: 240V AC

(* **usable slots**)

For discontinued items please see the support section!

UEN 04T NIM Bin transportable

7½ slot portable mini NIM bin with 5 slots free for NIM modules, 2½ slots occupied by UEP 15 power supply. Solid steel- aluminum construction. DC-power feed in via standard NIM connector on slot 12 position. For +/-6V and ground each line has two pins in parallel to reduce the transition resistance.

The top cover is equipped with a handle and has lateral perforation in order to make convection cooling efficient. 22mm high rubber feet for non-destructive table top operation enables also an adequate cooling air entrance to bottom side.

The power cord is plugged to the rear side of the power supply directly.

Current maximum ratings:

Voltage Line	Current / slot	Current / bin	Comment
+/-6V	13A	26A	not sensed
+/-12V	13A	13A	not sensed
+/-24V	13A	13A	not sensed
GND	13	13A	
115V AC		0.5A	Secondary

All NIM bins have clean earth wired with 0,25mm²

NIM Compact Slot Power Supply UEP 15

Plug in power supply for use in UEN 04 bins or for powering every non-powered extant NIM bin. UEP 15 features **all 6 voltages**, stabilized by adjustable monolithic voltage regulators, on the rear NIM connector with standard NIM pin out. Ground and 6V outputs are spliced-wired to two pins for minimized voltage drop.

The integrated blower cools heat sink, components and the toroid transformer. Voltage regulators and transformer are protected against over temperature. Over- under voltage detector (limits ca. +/-3% of nominal voltages) activates mains cutting relay (red signal "bad status" at front panel).

AC Mains voltages: 100, 115, 225, 240VAC by use of different internal transformer taps.

Power supply DC-Outputs:	+6V	-6V	+12V	-12V	+24
UEP15	5A	5A	3A	3A	1,5A
UEP15 as	5A	5A	3A	3A	3A

Power supply DC-Outputs:	-24V	115VAC	max. power	regulation	application
UEP15	1,5A	0.1A	150W	linear	NIM
UEP15 as	0,5A	0.1A	150W	linear	NIM

UEP15	
Input voltage, 47-63Hz	100V, 110V, 215V, 220V, 240V all (+/-10%), 5 internal taps
Soft start	yes
Output: Noise and Ripple: Full load +/-6 / 12 / 24V	<3mVpp / <5mVpp / <10mVpp
Regulation static: Change of output voltage versus load change 10-100%	<0,2% for 6V, 0,1% for 12/24V
Regulation static: change of output voltage versus line change +/-10%	0,02%
Recovery time versus load change 10-100%	<0,15ms
Output impedance: Static / Dynamic(at 100kHz)	1,5mOhm / 0,5 Ohm
Temperature Error	<0,02%/K
Thermal Protection (No. of thermal switches)	(1x) and Regulators internally
Output Current Characteristics (Ishort <3A in foldback regulators), reverse bias diodes!	Constant current and trip off
Dual tracking for complementary outputs	no
Calibration ranges Voltage / Currents	+/-5% / fix limits
Sense compensation ranges, all DC voltages	0V
Status Control for all voltages (Over- Under-Voltage Comparator, defaults +/-0,3%)	Bad Status red LED, unit trips off

Overvoltage Protection, trip off thresholds (defaults)	+/-0,3% of nom voltages
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Derating	>40°C with 2% up to 60°C max.
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Optional CAN-bus interface for DC voltage monitoring and remote on/off via rear 9 pin sub D connector

Product Data Sheet

NIM Portable 150W:	Print Product Data Sheet
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Documentation

Manual and Tech-Notes :	Manual NIM-CAMAC
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Introduction:	WIENER NIM CAMAC introduction
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