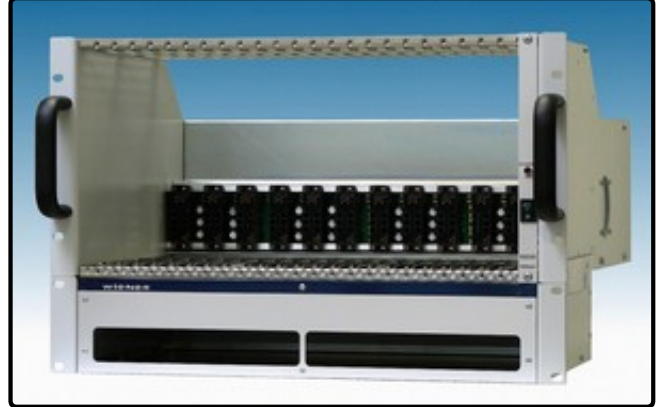


NIMpact 300W with fan tray

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NIMpact 300W with fan tray



NIMpact crates are low cost crates that meet EUR4100 and CE specifications. They are outfitted with a 300W power supply with over load and over temperature protection. 5U NIMpact crates are with fan tray.

Main features

- Fully wired 12 slot crate, 19" x 7U (with fan tray)
 - Simplified control panel with On/Off switch and status LED
 - Fan tray with 3 DC fans for cooling, front or bottom air inlet
 - Integrated linear regulated 300W power supply
 - AC input 230V/50 Hz or 110V/60Hz
-
- Fully wired 12 slot crate, 19" x 7U
 - Stabilized steel card guide structure
 - Simplified control panel with On/Off switch and status LED
 - Bin equipped with long-life NIM connectors, all lines wired according to CERN or CE specifications
 - Fan tray with 3 DC fans for cooling, front or bottom air inlet
 - Integrated linear regulated 300W power supply
 - AC input 230V/50 Hz or 110V/60Hz
 - Dimensions: 19" (483mm) x 7U (311.2mm) x 518mm [whd], weight: ca. 26Kg
 - CE Conformity

Standard Crate configurations (other possible on request)

Type	+6V/-6V	+12V/-12V	+24V/-24V	115V AC	Type / Power
NIMPact I23 L_x	11.5A / 11.5A	3.4A / 3.4A	3.4A / 3.4A	0.5A	UEP24 / 300W
NIMPact I24 L_x	15A / 15A	3.4A / 3.4A	3.4A / 3.4A	0.5A	UEP24 / 300W
NIMPact I26 L_x	7A / 7A	15A / 15A	-	0.5A	UEP24 / 300W
NIMPact I27 L_x	8.6A / 8.6A	3.4A / 3.4A	6.9A / 6.9A	0.5A	UEP24 / 300W

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

NIMPact NIM Bin 7U

Ventilated 518mm deep 7U NIM bin with 12 slot. Aluminum construction with stabilized steel card guide structure. Power supply is fixed mounted rear side. For improved cooling a 2U high fan tray with 3 DC fans is mounted below the card cage.

The power-bus-system is equipped with 12 high-quality long-life NIM connectors on a power backplane. Connector pins made of massive brass, gold plated.

Simplified ½ slot wide control panel with on/off switch and status LED.

Current maximum ratings:

Voltage Line	Current / slot	Current / bin	Comment
+/-6V	13A	65A	sensed
+/-12V	13A	13A	sensed
+/-24V	13A	13A	sensed
GND	13		
115V AC	-	0.5A	Secondary

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

UEP 24 300W NIMPact Power Supply

Linear regulated low noise power supply with 300W DC output, cut-off-protection for “overload” and “over temperature”-failures.

Power supply DC-Outputs:	+6V	-6V	+12V	-12V	+24
UEP24_I23	11.5A	11.5A	3.4A	3.4A	3.4A
UEP24_I24	15A	15A	3.4A	3.4A	3.4A
UEP24_I26	7A	7A	15A	15A	-
UEP24_I27	8.6A	8.6A	3.4A	3.4A	6.9A

Power supply DC-Outputs:	-24V	115VAC	max. power	regulation	application
UEP24_I23	3,4A	0.5A	300W	linear	NIM
UEP24_I24	3,4A	0.5A	300W	linear	NIM
UEP24_I26	-	0.5A	300W	linear	NIM
UEP24_I27	6,9A	0.5A	300W	linear	NIM

UEP 24

Input voltage, 47-63Hz	100V(+/-10%) , 115V or 230V
Soft start	yes
Output: Noise and Ripple: Full load / 80% rated output	<3mVpp / 1mVpp, <0,6mVRMS
Regulation static: Change of output voltage versus load change 10-100%	<0,05%
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)	0,2mOhm / 0,5 Ohm
Temperature Error	<0,005%/K
Thermal Protection (No. of thermal switches)	(3x)
Output Current Characteristics (Ishort <3A in foldback regulators), reverse bias diodes!	Foldback and trip off
Dual tracking for complementary outputs	yes
Calibration ranges Voltage / Currents	+/-5% / 20%
Sense compensation ranges, all DC voltages	0,5V
Status Control for all voltages (Over- Under-Voltage Comparator, defaults +/-0,3%)	bad/good, Status LED-signal
Overvoltage Protection, trip off thresholds (defaults)	Crow bars 7,3V, 14,5V, 24,5V
Derating	>40°C with 2% up to 60°C max.

Optional CAN-bus interface for DC voltage monitoring and remote on/off via rear 9 pin sub D connector

Product Data Sheet

NIMPact 300W with fan tray:

[Print Product Data Sheet](#)

Documentation

Manual and Tech-Notes :

[Manual NIM-CAMAC](#)

Introduction:

[WIENER NIM CAMAC introduction](#)

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