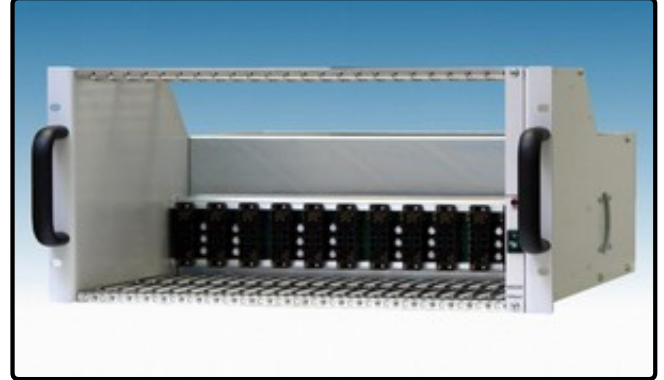
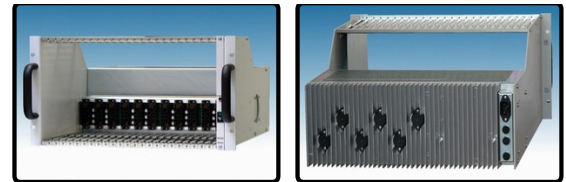


NIMpact 300W

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NIMpact 300W



NIMpact crates are low cost crates that meet EUR4100 and CE specifications. They are outfitted with a 300W power supply with overload and over temperature protection. 5U NIMpact crates are without fan tray.

Main features

- Fully wired 12 slot crate, 19" x 5U
 - Simplified control panel with On/Off switch and status LED
 - Available with cooling in 7U height, fan tray with 3 DC fans (front or bottom air inlet)
 - Integrated linear regulated 300W power supply
 - AC input 230V/50 Hz or 110V/60Hz
-
- Fully wired 12 slot crate, 5U
 - 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
 - Integrated linear regulated 300W power supply
 - AC input 230V/50 Hz or 110V/60Hz
 - Dimensions: 19" (483mm) x 5U (222.3mm) 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
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NIMPact I23	11.5A / 11.5A	3.4A / 3.4A	3.4A / 3.4A	0.5A	UEP24 / 300W
NIMPact I24	15A / 15A	3.4A / 3.4A	3.4A / 3.4A	0.5A	UEP24 / 300W
NIMPact I26	7A / 7A	15A / 15A	-	0.5A	UEP24 / 300W
NIMPact I27	8.6A / 8.6A	3.4A / 3.4A	6.9A / 6.9A	0.5A	UEP24 / 300W

NIMPact NIM Bin 5U

Non-ventilated 518mm deep 5U NIM bin with 12 slot. Aluminum construction with stabilized steel card guide structure. Power supply is fixed mounted rear side.

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	13A		
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: [Print Product Data Sheet](#)

Documentation

Manual and Tech-Notes : [Manual NIM-CAMAC](#)

Introduction: [WIENER NIM CAMAC introduction](#)

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