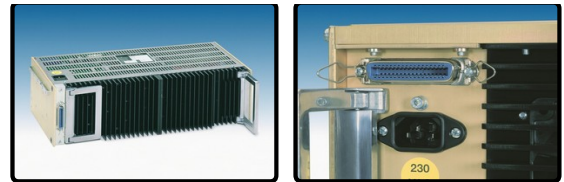


UEP22M /CEP22M Power Supply 300W

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UEP22M /CEP22M Power Supply 300W



The UEP22 series is a plug-in power supply for use in NIM and CAMAC crates with 300W power output. This lowest noise linear regulated power supply is equipped with a cut-off protection for overload, over- / and under voltage and over temperature failures.

All power supplies with index M are outfitted with alarming and monitoring facilities according to CERN CAMAC Note 46-04, including a control- and monitoring connector (15-pin sub-D / PG 27+28) for Status output ("good" when all DC-voltages within tolerance level), rearming input, power fail signal, alarms for overload and over temperature, voltage and current monitor outputs.

The UEP10M88 and CEP10M88 have to be used with CERN compatible NIM and CAMAC bins.

Main Features

- CERN spec. high precision linear regulated NIM power supplies for 300W power output, all 6 DC voltages +/-6V, +/-12V +/-24V provided, lowest noise (<3mVpp) technology, special version with increased +/-12V current available (no +/-6V)
- Power supplies to be plugged-in to the rear of the NIM bin for easy exchange
- CE conform versions provides improved AC wiring.

UEP/CEP 22M NIM / CAMAC 300W Power Supply

- CERN spec. high precision linear regulated NIM / CAMAC power supplies for 300W power output, all 6 DC voltages +/-6V, +/-12V +/-24V provided, lowest noise (<3mVpp) technology, special version with increased +/-12V current available (no +/-6V)
- Power supplies to be plugged-in to the rear of the NIM bin for easy exchange
- Protected against short circuit, over / under voltage and over temperature
- Equipped with status control and CERN-spec. monitoring output (PG28)
- 100V, 110V, 220V or 240V 50Hz/60Hz AC input (to be selected / changeable)
- CE conform versions provide improved AC wiring and without 115V (CEP).
- Dimensions: 429mm x 131mm x 215mm [whd], weight: 16.5 kg

Type	+6V/-6V	+12V/-12V	+24V/-24V	115VAC
UEP 22M_x	17A / 17A	3.4A / 3.4A	3.4A / 3.4A	0.5A
CEP 22M_x	17A / 17A	3.4A / 3.4A	3.4A / 3.4A	0.5A
UEP 22MS_x	-	15A / 15A	1A / 1A	0.5A
CEP 22MS_x	-	15A / 15A	1A / 1A	0.5A

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

NIM / CAMAC Power Supply UEP 22M

Linear regulated low noise power supply with 300W DC output, cut-off-protection for "overload", "over voltage", and "over temperature"-failures. Outfitted with same monitoring and control facilities as UEP 10M88, the UEP 22M can be used to power NIM- or CAMAC-Crates. After cut off, caused by invalid operation, reset of »M« power supplies is possible by toggling the mains switch off and on again or feeding a 24VDC signal to the "rearming" input at the monitor connector. Standard mains voltage range is 230 / 115VAC, selectable internally.

UEP 22M is foreseen for convection cooling at full output performance. Forced air-cooling can increase the total power availability up to 400W.

Power supply DC-Outputs:	max. power		regulation		application	
UEP22M	300W		linear		NIM /CAMAC	
UEP22MS	300W		linear		NIM	

	+6V	-6V	+12V	-12V	+24	-24V	115VAC
UEP22M	17A	17A	3.4A	3.4A	3.4A	3.4A	0.5A
UEP22MS	-	-	15A	15A	1A	1A	0.5A

UEP/CEP22M

Input voltage, 47-63Hz	100V(+/-10%) , 115V or 230V
Soft start	yes
Output: Noise and Ripple: Full load / 80% rated output	<3mVpp / 1mVpp, <0,6mV _{RMS}
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

UEP22M /CEP22M Power Supply
300W:

[Print Product Data Sheet](#)

Documentation

Manual and Tech-Notes :

[Manual NIM-CAMAC Crates](#)

Introduction:

[WIENER NIM CAMAC Introduction](#)

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