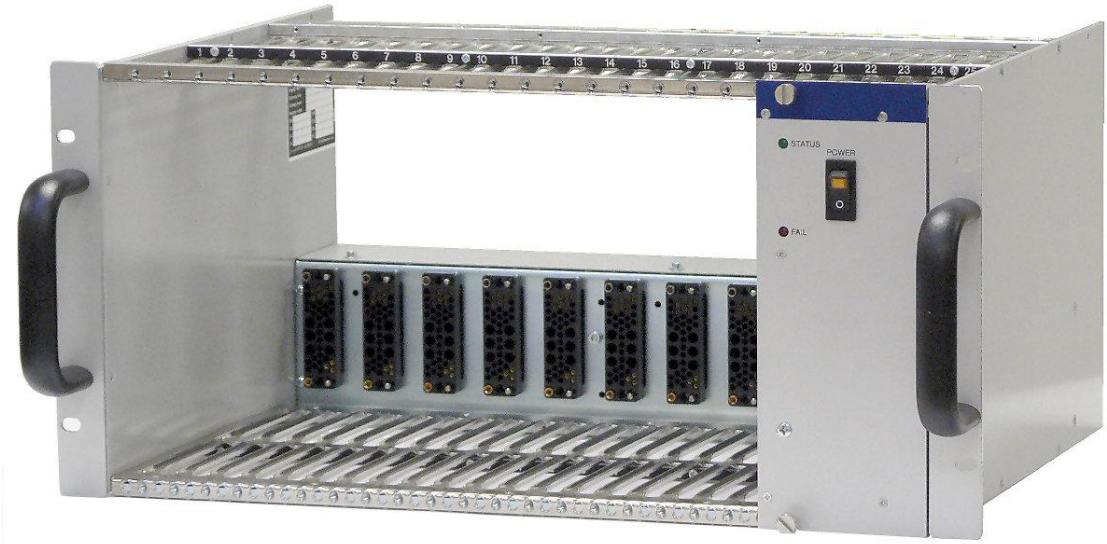
NIM Compact 150W



NIM Compact 150 W Bulletpoints

- 150 W linear regulated UEP15 power supply
- Outputs: ±6 V (5 A), ±12 V (3 A), ±24 V (1.5 A), optional 115 VAC (0.25 A)
- 12 slots (10 usable for modules)
- 5U height, 19” rack-mount design
- Overload and short-circuit protection
- Low-noise performance for precision measurement systems

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Electrical Parameters:	
Inputs	
Mains input range	100 VAC / 110 VAC / 115 VAC / 220–230 VAC / 240 VAC (depending on internal transformer tap)
Input current	-
Inrush current	-
Input fuse	- / external fuse required
Outputs	
Number of channels	6 DC outputs: +6 V, −6 V, +12 V, −12 V, +24 V, −24 V; optional 115 VAC
Output Voltages	±6 V, ±12 V, ±24 V, optional 115 VAC
Output Power	150 W total
Overvoltage protection	Yes — over-/undervoltage protection (approx. ±3%), disconnects via relay in case of fault
Overcurrent protection	Yes — shutdown in case of overload or short circuit
Ripple and Noise	Not separately monitored
Efficiency	- (linear regulated)
Monitoring & Control	
Voltage	Over-/undervoltage protection with shutdown
Current	Not separately monitored
Status LED	Yes — LEDs for status and failure (red/green)
Isolation	
Input - Output	CE-compliant, exact values not specified
Input - Chassis	Solid ground (“clean earth”)
Output - Chassis	-
Environment and Cooling:	
Operation temperature:	-
Cooling media	Integrated DC blower fan
Mechanical Parameters	
Dimensions	Width: 2.5 NIM slots, Height: 183 mm, Depth: 249 mm
Weight	approx. 7.5 kg
Input Connector	Standard AC input (internal in UEP15 module)
Output connector	Power distribution via NIM connectors in the bin
Mounting	Installation in NIM bin (slot 11/12)
Other	
Communication Protocols	None (only status LEDs, no interface)
Reliability	Protection against overtemperature, over-/undervoltage, overcurrent; long-life blower fan; robust design

Warranty / Maintencance	No specific information provided

Electrical, Environmental & Compliance Data

Main Power

- **Output Voltages / Currents: 6 V / 5 A, −6 V / 5 A, +12 V / 3 A, −12 V / 3 A, +24 V / 1.5 A, −24 V / 1.5 A, 115 VAC / 0.1 A**
- **Regulation (load change 10–100 %): ±6 V < 0.2 %, ±12 V / ±24 V < 0.1 %**
- **Ripple & Noise (full load): ±6 V < 3 mVpp, ±12 V < 5 mVpp, ±24 V < 10 mVpp**
- **Recovery time (10–100 % load): < 0.15 ms**
- **Output impedance (static/dynamic @ 100 kHz): 1.5 mΩ / 0.5 Ω**

Auxiliary Power

- **None – all primary outputs available on main connector**

Compliance

- **NIM standard (AEC report TID20893)**
- **CE Class B, FCC Class B (model-dependent)**

Environmental

- **Operating temperature: 0 °C to +50 °C (derating > 40 °C by 2 %/°C, up to max. 60 °C)**
- **Storage temperature: −20 °C to +80 °C**
- **Clean earth wiring with 0.25 mm²**
- **Non-ventilated rigid chassis**

Communication / Monitoring

- **Optional CAN-bus interface for DC voltage monitoring and remote on/off**

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