

# High Current Pulse Generator for IGBT-Test NLN 72M-30

Typ:



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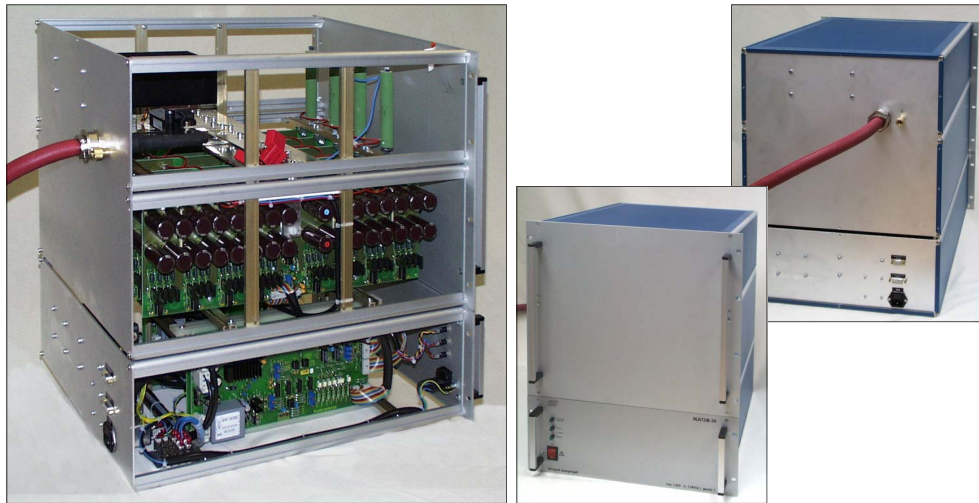
**Low and High Voltage  
Power Supplies**

**DIN EN ISO 9001**

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## Description

Fully controlled, bipolar capacitor charging power supply to charge a high-power pulse capacitor up to the selected open-circuit voltage.

By generating a trigger pulse, the output current is increasing on a linear ramp within 200  $\mu$ s up to the programmed maximum value. After the roof time the current runs linear down to zero (with a selectable ramp) either within 200  $\mu$ s or 1 ms. The actual value of the current is measured with a high bandwidth.

## Features

- Energy storage
- Linear controller for 2400 A
- Polarity reversal switch with thyristors
- Current sense
- Safety and monitoring devices
- Interference immune, DC isolated interface by optocouplers and isolating amplifiers

## External Operation

The unit is only controlled via the interface.

All signals are floating, data output via optocouplers or isolating amplifiers.

**Control signals:** Release, open-circuit voltage, polarity, triggering

**Monitor signals:** Unit stand-by, actual value of the pulse current, status and failure signals.

## Technical Data

Mains:	230 V +10%/-15%, 49 - 61 Hz
<b>Output</b>	
Open-circuit voltage:	up to max. 30 V, adjustable
Pulse current:	up to 2400 A possible, accuracy 0,5%
	built-in ramp-generator
Ambient temperature:	+10°C to +40°C in operation

## Design

Cabinet:	19" plug-in, 13 HU (577 mm), 650 mm deep
Weight:	approx. 30 kg
Terminals on the rear:	Mains: EURO-connector High current output: Cable Analog programming with monitor for current and voltage: 15pol. SubD. Digital programming for trigger, return, polarity reversal and charge with corresponding feed back: 15pol. SubD.

## Application

Test of high-power IGBT moduls