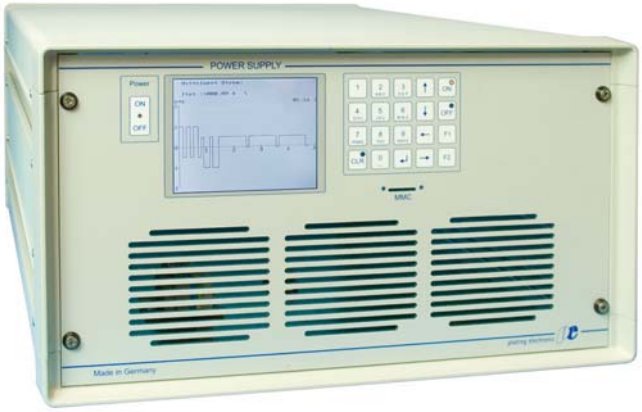
PULSE-REVERSE POWER SUPPLY

POWER PULSE pe86CB 6HE

plating electronic
we care for power

Output power:	**max. 540 Watts**	**Typical applications:**
Effective- and DC-current:	**max. 30 A**	Pulse plating
Pulse current:	**max. 90 A**	Laboratory plating lines
Effective current:	**max. 18 V**	



POWER PULSE pe86CB, front view

POWER PULSE pe86CB, back view

Characteristic values

- Linear controlled
- Linearity inaccuracy < 0,5 % (related to nominal DC value)
- Ripple less than < 0,5 % (related to nominal DC value)
- Complex waveforms
- Constant current regulation (standard)
- RS485-interface (optional: PROFIBUS or TCP/IP)
- MMC/SD card reader for software update, import / export of device configuration, set values and storing of bus-logging data
- Fast rise and fall times (rectangular waveforms)
- Permanent short circuit and open circuit proof
- Microprocessor controlled regulation
- Synchronization function
- Mains supply: standard 230 V +/- 10 % / 50-60 Hz (other voltages on request)
- Max. effective output power: 540 Watts

Cooling

- Air cooled, air consumption max. 200m³/h
- Ambient temperature 35°C (other on request)
- Over temperature protected

Design

- Compact desktop unit; protection grade: IP21
- Casing powder coated; colour RAL 9018 (Standard)
- Aluminium front panel with polycarbonate film
- DC/Pulse connection in back panel (oval flat clamps)

EMV: EN50011 class A, group B ; EN61000-6-4 and EN61000-6-2;
CE-conformity low voltage guide line: EN50178

Type	pe86CB-15-30-90-S/GD	pe86CB-18-30-90-S/GD other sizes on request
Effective current / DC	30A	30A
Forward pulse	90A	90A
Reverse pulse	90A	90A
Effective voltage	15V	18V
Mains supply	230V AC (115V AC also available)	230V AC (115V AC also available)
Cooling	air cooled via five fans	air cooled via five fans
Cooling air consumption	200m³/h	200m³/h
Dimensions	525 x 290 x 580 (W x H x D)	525 x 290 x 580 (W x H x D)
Weight	approx. 40kg	approx. 40kg

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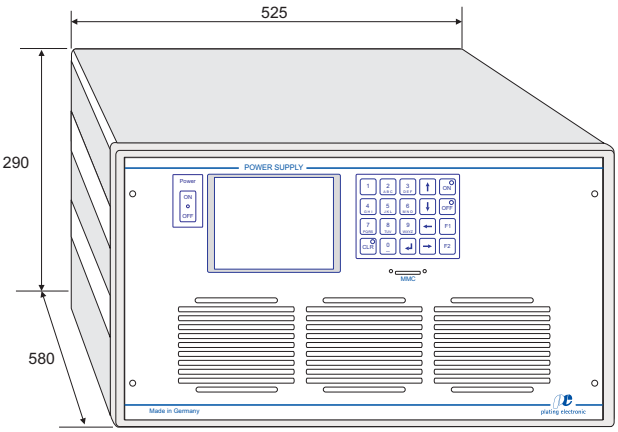
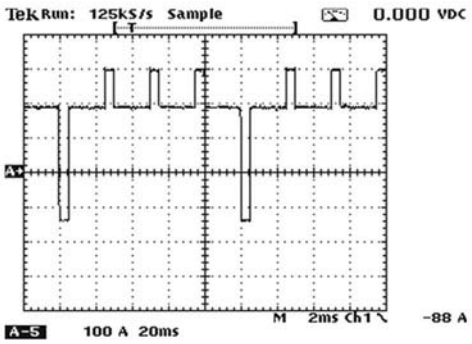
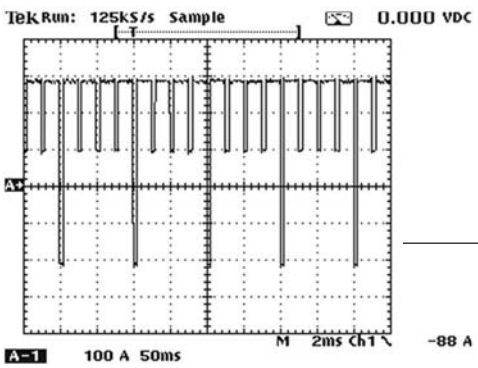
Dimensions (W x H x D): 525 x 290 x 580 mm







Operation / programming

- Large illuminated 5,7" graphic display
- 5 x 4 keypad for easy handling and navigation
- Clear and user friendly menu navigation via well structured pull down menus
- Easy generation of complex waveforms with up to 16 individual steps with 2 individual amplitudes (Ix1 and Ix2 as well as tx1 and tx2), that can be positive or negative
- 15 pulse storage locations for pulse shapes (with 1 – 16 steps each)
- Batch mode programming (batch processing) for up to 15 sequences with individual run time
- 2 programmable output relays
- Ah-totalizer, dosage counter, timer
- Programmable START and STOP ramp
- Parameters individually adjustable even during operation

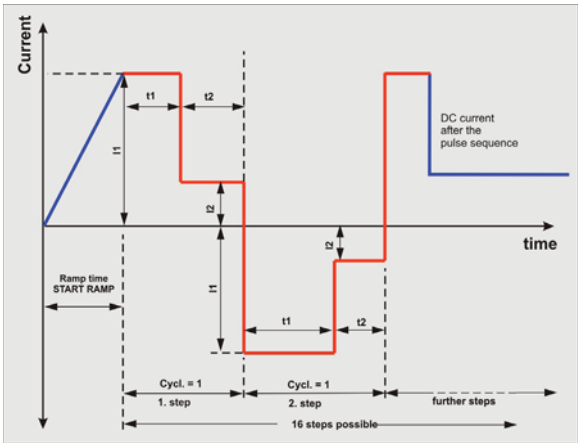
Display

- Clear display of actual values
- Graphic display of set value curves
- Status, warning and error indication

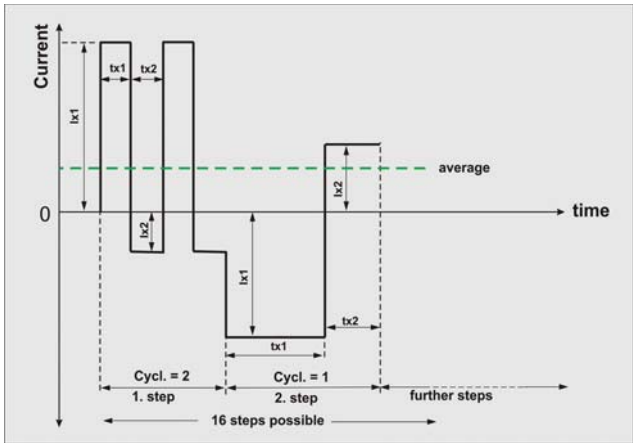
Resolution

- 0 up to +/- xx.xxA for Ix1 and Ix2; resolution: 10mA
- 0 up to 9 999.9mSec for tx1 and tx2; resolution: 0,1mSec
- Cycles (repeatings per step): 1 - 99

Drawings:
Examples for waveforms that can be generated with this pulse reverse power supply.



Examples: pulse shapes, schematic display



Example 2: with average value

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