

Plasma-Puls-LK



The design of the product range **Plasma-Puls-LK** is made to meet the special requirements of plasma nitriding. The customized power supplies are designed with pulse unit up to 10kHz. The intelligent control unit has an integrated flashing monitoring in the range of μ -seconds to prevent damages.

Single units from:

UDC = 400 - 1.500V

IDC = 40 - 1.000A

Technical Data:

Mains:	3x 400V / 50Hz (customized versions available)
Regulation:	1% accuracy
Range:	0 - 100% adjustable
Puls frequency:	0,5 - 2kHz adjustable (up to 10kHz available)
Interface:	external control with standard interfaces like Profibus, Analog
Ripple:	< 5% at 50 - 100% intermediate circuit voltage
Pulse number:	6-puls rectifier design
Ambient temperature.:	+35°C (higher temperatures on request)
Arc-detection:	depends on load and short circuit circa 10 μ s
Monitoring:	Phasing; phase continuance; phase loss; undervoltage; short circuit detection; temperature;
Feedback:	real value current and voltage; average pulse current; maximum pulse current
Degree of protection:	IP21 to IP54

Options:

- Interface (Profibus; Interbus-S; CAN-Bus; RS-485 etc.)
- Commutator for bipolar applications
- Cathode heater
- Ah-Counter
- Dual - Power Output
- Regulation accuracy < 0,5%
- Closed design with air heat exchanger
- Customized solutions available

IPS-Plasma-Puls-LK offers:

- Fast regulation
- High regulation accuracy
- Short circuit monitoring
- No mechanical wear
- Low-maintenance and reliable



Member of SK-Group