

AC-Source / Sink (Option)

Type TS-AC-5445 (1~) / RTS-AC-5445 (1~)

Type TS-AC-5446 (3~) / RTS-AC-5446 (3~)



**Rated Power up to 500 kVA
15 up to 800 Hz**

- Sinusoidal input current (feedback free)
- IGBT rectifier (small THD)
- Event log
- Output voltage adjustable
- Output frequency adjustable

Options

- Bidirectional 'RTS-AC' source / sink
- Increased short circuit current
- Adjustment by:
 - + RS-232 interface
 - + CAN bus
 - + Ethernet
 - + Extern operation panel
 - + Analogue interface 0-10 V
- Sense Wire
- Customer specific designs



GUSTAV KLEIN
POWER SUPPLIES - since 1948

AC-Source Type (R)TS-AC-5445 and (R)TS-AC-5446

Design

The new AC-Source contains proven and approved components from the UPS technology, it can be delivered with adjustable output frequency and / or output voltage.

A clearly construction and a simple maintenance characterize the new power supply system.

Technical Data:

Mains voltage:	V	208/380/400/480/500/660 (3~, PE) 230/460 (1~, PE) +/- 10% without N, 16,7 Hz, 50 Hz or 60 Hz
Output voltage:	V	10 – 600 ±1% permanent or adjustable (other ranges on request) 1-/3-phase
Output frequency:	Hz	15-55 Hz, 45-65 Hz, 100-400 Hz, 200-800 Hz (other ranges on request)
Output frequency accuracy:	%	±0,5 (for some fixed frequencies 0,1% are possible)
Rated output power:	kVA	10 – 500
Voltage regulation	%	±1(fs) ±4 at 100% load change (50/60Hz), ±8 (800Hz) ±2 at 100% unbalance load
Regulation time:	msec	<25
Overload characteristic:	%	150% for 1 min. / 125% for 10 min. / 110% for 20 min.
Short-circuit characteristic		2 x I nom., at 1-phase output, 2-4 x I nom., at 3-phase output, for 5s according EN 50091, Part 1
Waveform:		sinusoidal
Distortion factor:	%	≤ 5 (typical 3)
EMC:		according to EN 50091-2
Permissible power factor:		power derating, if power factor deviates from 0,8 lagging
Crest factor of the load current:		≤ 2,3 (at 100% Load)

Standard Design:

Permissible ambient temperature:	°C	0 up to + 40
Permissible environment:		3K3 according to IEC 60721 (max. 85% rel. humidity, none condensation)
Permissible operating altitude:		1000 m above m.s.l. with rated load
Protection class:		IP 20 according to IEC 60529
Paint finish:		RAL 7035
Cooling:		“AN” natural air cooling or „AF“ forced air cooling depended on rated power

For your requirements / specifications we are pleased to prepare an individual system configuration.

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Subject to change without notice

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