

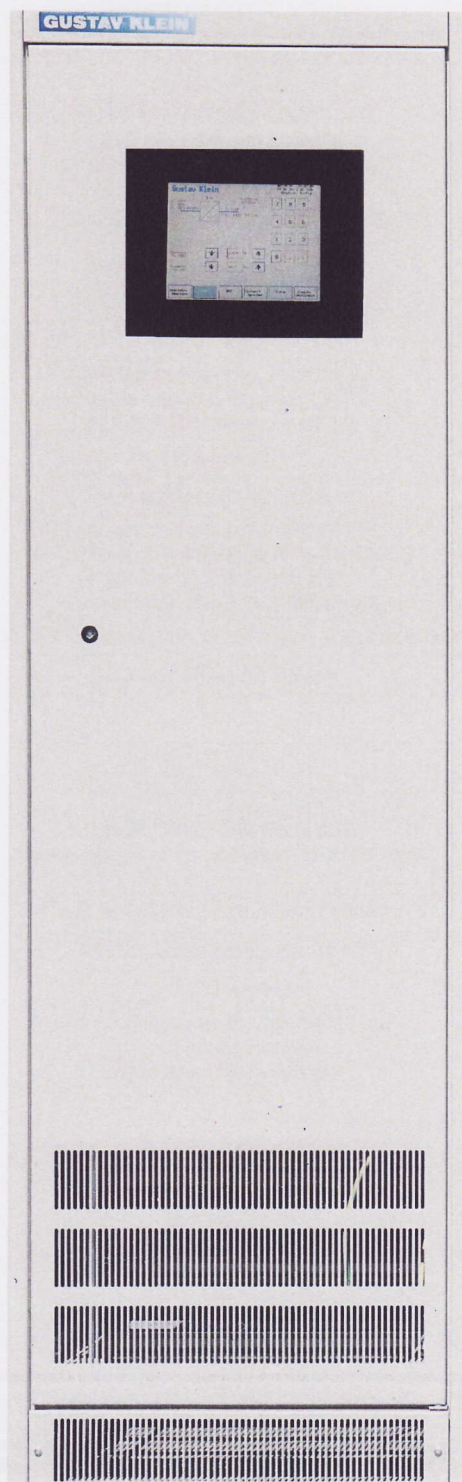
# AC-Source / Sink (Option)

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

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



**Rated Power up to 10 bis 500 kVA, 16.7 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



# 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	45-105 Hz, 195-805 Hz, 95-420 Hz (other ranges on request)
Output frequency accuracy	%	±0,1
Rated output power	kVA	5 – 500
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
Voltage regulatin	static dynamic	±1(fs)
	asymmetric load	±4 at 100% load change (50/60Hz), ±8 (400/800Hz) ±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 62040-1
Waveform		sinusoidal
Distortion factor	%	≤ 5 (typical 3) at linear load
EMC		EN 61000-2-4 Line disturbances EN 62040-2 Requirement on EMI (UPS) EN 61000-6-2 Immunity EN 61000-6-4 Emitt. Interference
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.		

Subject to change without notice (tech)

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