



ENAPART



93 S Railroad Avenue Unit C
Bergenfield NJ 07621 USA
www.enapart.com
sales@enapart.com



Via del Canneto 35,
Borgosatollo, Brescia - Italia
www.enapart.it
vendite@enapart.it



Barbaros Mah. Ihlamur Bul. Aĝaoĝlu
My Newwork No:3/15 Ataşehir / İstanbul
www.enapart.net
satis@enapart.net



PRIVADA 10 B SUR #3908 COL.
ANZUREZ, C.P. 72530, PUEBLA, PUE
www.enapart.com.mx
sales@enapart.com.mx



Friedrich-Ebert-Anlage 36, 60325
Frankfurt am Main, Germany
www.enapart.de
anfrage@enapart.de



4 boulevard Carnot, 95400
villiers-le-bel, Paris, France
www.enapart.fr
sales@enapart.fr



65049, ОДЕСА, ВУЛИЦЯ ІВАНА
ФРАНКА, БУДИНОК 55, ПОВЕРХ 3
www.enapart.com.ua
sales@enapart.com.ua



MUNICIPIUL BUCUREȘTI, SECTOR 3,
B-DUL BASARABIA, NR.250, CORP P+5
www.enapart.ro
sales@enapart.ro



〒584-0023 大阪府富田林市若松町
東2丁目2番16号
www.enapart.co.jp
sales@enapart.co.jp



PLAZA NUESTRA SEÑORA DE LAS
NIEVES 12 ,LOCAL ,50012,ZARAGOZA
www.enapart.es
ventas@enapart.es

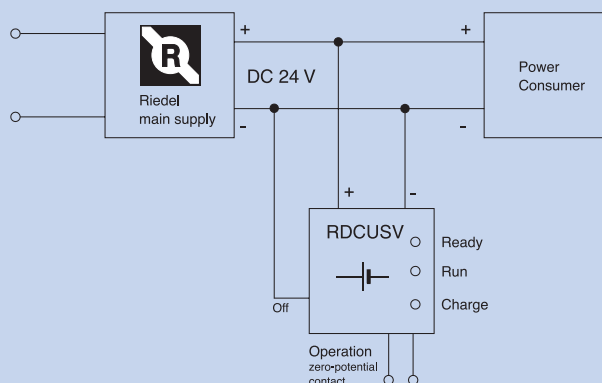


Складова база „Онгъл“, Склад А2, п.к.
4006, гр. Пловдив, България
www.enapart.bg
sales@enapart.bg



3 Austin Mews, High Street, Hemel
Hempstead, HP1 3AF , United Kingdom
www.enapart.co.uk
sales@enapart.co.uk

DC – UPS – Modules



Option:

DC 24V - USV



RDCUSV-modules are parallely connected to the direct current output of the main supply and warrant a reliable supply to important energy consumers via a battery in case of fluctuations or total failure of the line voltage.

Particular advantages of series RDCUSV

- The patented technology of the UPS modules make switching controllers unnecessary and avoid EMC interferences
- Construction according to the requirements of the operational voltage for electronic controls DIN EN 61131-2 (DC 20.4 to 28.8V)
- Uninterrupted switching to battery operation
- Buffer time up to 30 sec. in case of full line failure
- Bridging during peak loads, e. g. starting current of motors or inrush current impulses of capacitive loads
- Automatic battery charging
- Potential free status output via screw clamps
- Modules installed in a plastic cabinet IP20, can be snapped quickly and easily onto DIN mounting rails
- Protection against short circuits, overtemperature and deep battery discharge

Construction types

- Modules with activation threshold DC 22V, rated currents from 3 to 40A
- Modules with activation threshold DC 20.6V, rated currents from 3 to 50A
- Identical construction type RIPCUSV 5S for the supply of IPC (Industrial PC), including serial interface

Option

Switch off of back-up time limit for longer UPS-times

Type	Weight kg	Dimensions in mm			Attachment DIN mounting rails
		Height	Width	Depth	
RDCUSV 3 S	0,9	82	90	120	TS 35x15
RDCUSV 10 S	3,5	134	125	150	TS 35x15
RDCUSV 16 S	3,5	134	125	150	TS 35x15
RDCUSV 20 S	4,4	157	175	185	TS 35x15
RDCUSV 30 S	4,4	157	175	185	TS 35x15
RDCUSV 40 S	6,5	200	180	185	TS 35x15
RDCUSV 50 S	6,5	200	180	185	TS 35x15



Riedel Pri Line Primary Switched Power Supplies



Options:

Single-phase

AC 85-264V; AC 195 – 460V

AC 94-132 and AC 184 – 264V

AC 196 – 264V

AC 93 – 132V

Three-phase

3AC 340-575V

3AC 340-460V

EN 61558-2-17 / EN 60950-1



Primary switched power supplies RPL do not require a power transformer, are compact and of low weight.

Particular advantages of series RPL

- Wide input voltage range (AC or DC)
- Adjustable output voltage via potentiometer
- Connection in parallel or series
- 25% power boost and 4s bonus time for occurring peak loads
- Protection against overload, short circuit, overvoltage and overtemperature
- Easy fitting onto DIN mounting rail via snap-on
- Tricoloured status-LED
- Interference output (potential free changer)
- Usable as battery charger
- Input NTC-resistor 10kΩ for temperature controlled charging
- Input “external switch on/off” only RPL 125W, 250W, 960W 250WD

Construction types

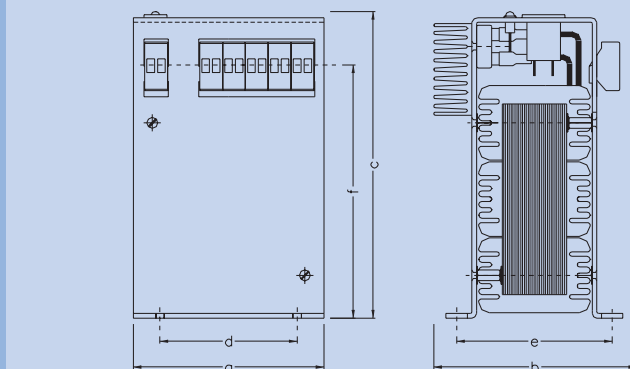
- On stock 30W to 960W single-phase, 250W to 960W three-phase
- On stock with output voltages DC 12V, 24V or 48V
- Other custom-designed input or output voltages deliverable on short notice
- Including active (RPL 250W and RPL 960W) or passive PFC (RPL 250WD - RPL 960WD, RPL 250PFC and RPL 480PFC). Other models without PFC

Options

- Series diode on output for redundancy- and UPS-systems (decoupling diode)
- Analog input DC 0 to 10V to regulate output voltage from 0 to U nominal
- Electronic output fuse: saving disconnection of power supply at overload

Type	Weight kg	Height	Dimensions in mm		Attachment DIN mounting rails
			Width	Depth	
RPL 30 W	0,14	80	40	85	TS 35x7,5
RPL 60 W	0,40	106	50	87	TS 35x7,5
RPL 125 W	0,60	137	63	114	TS 35x7,5
RPL 250 W	1,13	153	67	141	TS 35x7,5
RPL 480 W	2,40	138	245	100	TS 35x7,5
RPL 960 W	3,40	174	285	110	TS 35x7,5
RPL 250 WD	1,00	157	67	141	TS 35x7,5
RPL 480 WD	2,20	138	245	100	TS 35x7,5
RPL 960 WD	3,30	174	285	110	TS 35x7,5

Three-Phase Compact Rectifier



Options:

3AC 380/400/420V // DC 24V

Residual ripple: Without capacitor < 5%
With capacitor < 2%

EN 61558-2-6



Series RDRKS in modern industrial design are assembled with a three-phase safety transformer and a three-phase bridge rectifier.

Particular advantages of series RDRKS

- Voltage adaptation via +5% taps
- Optimal layout reduces surface area
- Simple mounting via open-ended slot
- Compact construction at low weight
- High reliability and long service life
- Good value for reasonable price
- Low total losses

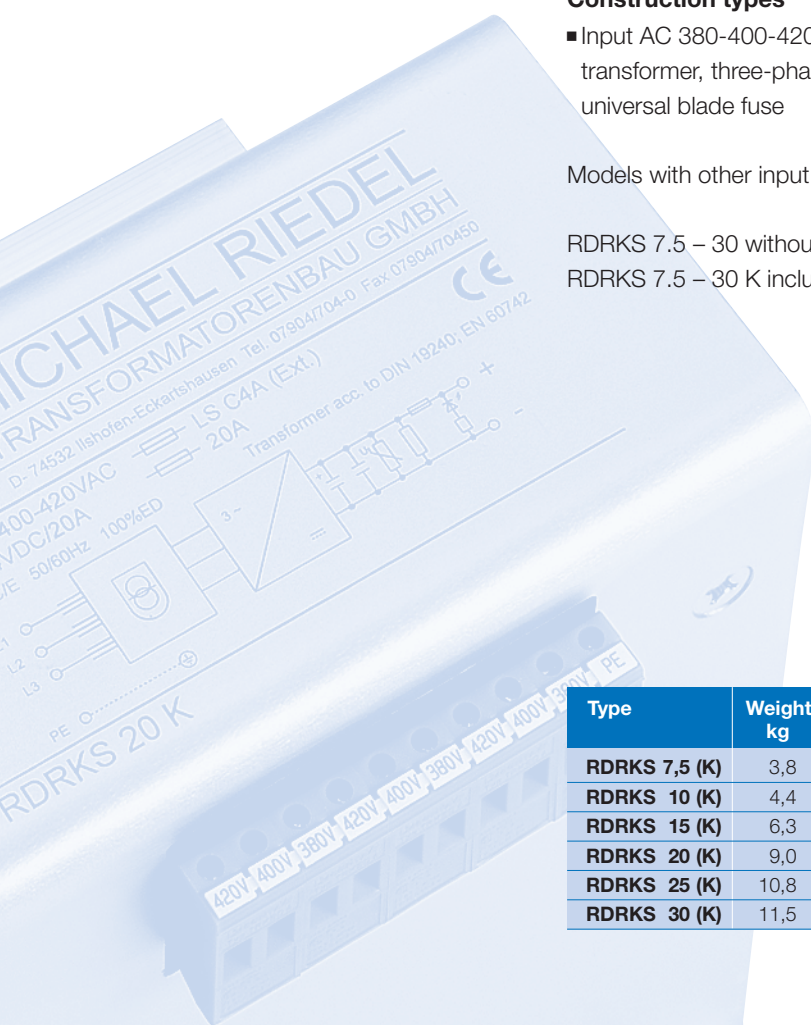
Construction types

- Input AC 380-400-420V // Output DC 24V, rated currents from 7.5 to 30A, transformer, three-phase bridge rectifier, varistor, resistor, LED, universal blade fuse

Models with other input or output voltages available on request

RDRKS 7.5 – 30 without smoothing capacitor, residual ripple < 5%

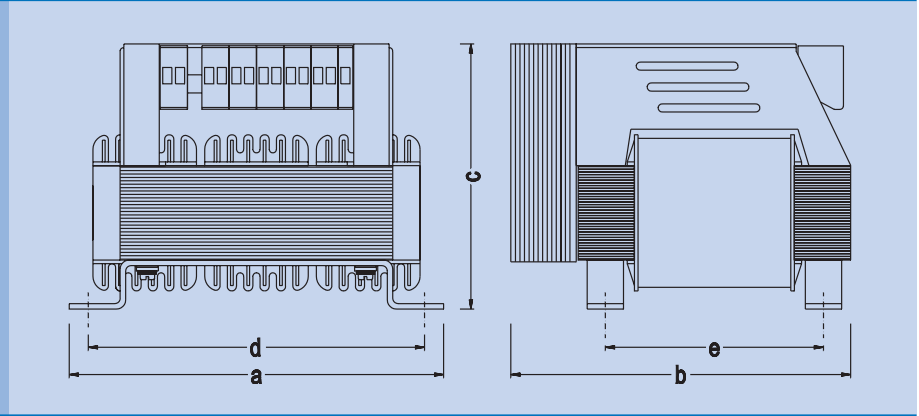
RDRKS 7.5 – 30 K including electrolyte capacitor, residual ripple < 2%



Type	Weight kg	Dimensions in mm						Attachment
		a	b	c	d	e	f	
RDRKS 7,5 (K)	3,8	125	105	200	90	90	165	M 5
RDRKS 10 (K)	4,4	125	105	200	90	90	165	M 5
RDRKS 15 (K)	6,3	125	130	200	90	115	165	M 5
RDRKS 20 (K)	9,0	190	130	200	150	115	165	M 6
RDRKS 25 (K)	10,8	190	165	200	150	135	165	M 6
RDRKS 30 (K)	11,5	190	165	200	150	135	165	M 6



Three-Phase Compact Rectifier



Options:

3AC 380/400/420V // DC 24V

Residual ripple: Without capacitor < 5%
With capacitor < 2%

EN 61558-2-6



Series RDRKN are assembled with a three-phase safety transformer and a three-phase bridge rectifier.

Particular advantages of series RDRKN

- Voltage adaptation via +-5% taps
- Compact construction at low weight
- High reliability and long service life
- Low total losses, thus high efficiency
- Over-average high performance at short time operation (S3)
- Temperature reserves, even at ta 60°C/B full load capacity possible
- High output voltage stability

Construction types

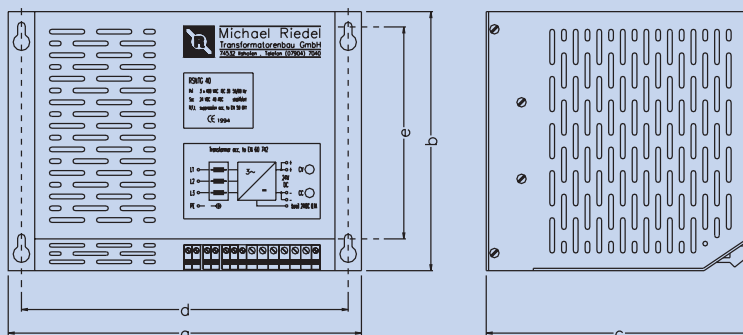
- Input AC 380-400-420V // Output DC 24V, rated current from 10 to 60A

Models with other input or output voltages available on request.

RDRKN 10 – 60 without smoothing capacitor, residual ripple < 5%
RDRKN 10 – 60 K including electrolyte capacitor, residual ripple < 2%

Type	Weight kg	Dimensions in mm					Attachment
		a	b	c	d	e	
RDRKN 10 (K)	4,9	156	165	110	140	100	M5
RDRKN 16 (K)	6,5	156	165	125	140	100	M5
RDRKN 20 (K)	9,8	206	190	140	184	120	M6
RDRKN 25 (K)	10,7	206	190	150	184	120	M6
RDRKN 30 (K)	11,5	206	190	150	184	120	M6
RDRKN 40 (K)	17,0	254	235	155	228	152	M6
RDRKN 60 (K)	22,0	254	235	180	228	152	M6

Secondary Switched Power Supplies



Options:

Single-phase

AC 230V // DC 24V

AC 400V // DC 24V

Three-phase

3AC 400V // DC 24V

Residual ripple < 30mV eff.

EN 61558-2-6



Series RSNT are assembled with a single- or three-phase isolating transformer and a subsequent switching controller.

Particular advantages of series RSNT

- Riedel patents enable usage well below permissible interference level comp. to EN 55011 class B
- Adjustable output voltage from DC 0 to 30V via potentiometer
- Adjustable current limit from 0 to rated current via potentiometer
- Usable as battery charger
- Connection in parallel or series
- Protection against overload, short circuit, overvoltage and overtemperature
- Cabinets of protection class IP20 with G- and S-types
- Robust units of high quality for heavy duty application
- Insensitive to interference voltages
- Status display via 2 LEDs: green for constant voltage operation and yellow for constant current operation

Construction types

- On stock with output DC 24V, 5 to 15A single-phase and 20 to 60A three-phase
- Other custom-designs with input voltages up to AC 690V RSNT or up to AC 400V RSNT...G and RSNT...S available on request
- Other custom-designs with output voltages up to DC 60V available on request

Options

- Analog input DC 0 to 10V or 4 to 20mA to regulate voltage and current at output
- Input „remote switch on/off“
- Potential free change-over contact (overtemperature, undervoltage, overload)

Type	Weight kg	Dimensions in mm					Attachment
		a	b	c	d	e	
RSNT 5	5,5	125	132	150	84	71	M5
RSNT 10	6,5	170	170	175	90	84	M5
RSNT 15	7,5	190	180	190	104	97	M5
RSNT 10 S	5,0	134	125	180	87	120	M4
RSNT 15 S	9,2	157	175	197	130	154/154	M4
RSNT 20 G	13,0	250	202	200	228	161	M6
RSNT 30 G	21,0	250	202	200	228	161	M6
RSNT 40 G	22,5	300	220	222	278	179	M6
RSNT 50 G	25,0	330	250	237	308	209	M6
RSNT 60 G	26,5	330	250	237	308	209	M6

PRODUCT OVERVIEW

- Single- and three-phase transformers up to 630kVA
- Chokes and filter choke systems
- High voltage supplies and coils
- Thyristor controller
- Magnetic and subsequent controlled voltage stabiliser
- Single- and three-phase power supplies stabilized and unstabilized
- Battery charger
- DC-UPS-Modules and systems
- Primary and secondary switched power supplies
- Ratio ring transformers
- Inrush current limiters for transformers and power supplies
- Defrost- und soldering devices
- Customized developments

Handed over by:

Michael Riedel

Transformatorenbau GmbH

Max-Eyth-Straße 10 · D-74532 Ilshofen-Eckartshausen
Telefon (079 04) 7 04-0 · Fax (079 04) 7 04 50
www.riedel-trafobau.de · info@riedel-trafobau.de
