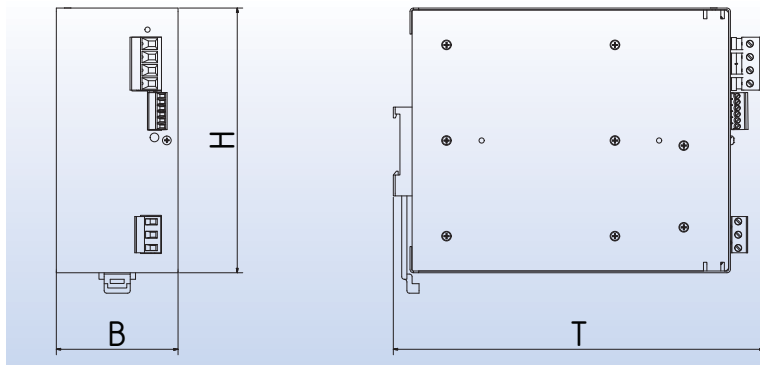
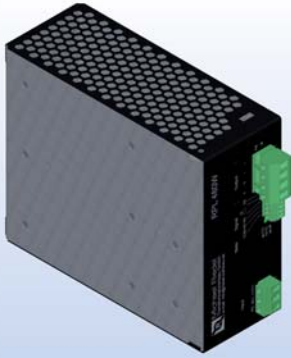




Primary side-controlled switched-mode power supplies



Fig. RPL 2420W

General information:

RPL Riedel Pri Line

Primary side-controlled power supplies do not require grid transformers and are compact and light.

Special features of the RPL series:

- Universal input (AC or DC for 1-phase or 3AC or DC for 3-phase units) with wide input voltage range
- Wide output voltage range with adjustment via potentiometer on front side
- RPL series power supply units can be used as chargers (type ...WL)
- Temperature-controlled battery charging can be accomplished through simple repositioning of the jumper for 250W alternating current, 480W alternating current or 480W 3-phase alternating current or implementation of the -T option for other chargers combined with attachment of a temperature sensor (NTC resistance: 10kΩ) to the battery. This leads to optimised battery charging if there are large fluctuations in ambient temperature and a higher battery life expectancy, among other things
- Can be connected in series and in parallel
- 25% peak power boost for 4s
- Overload, short-circuit, overvoltage and overtemperature protection
- Three-colour status LED, for devices with 125W and higher:
 - green – voltage stabilisation,
 - red – current limitation,
 - yellow – device connected to grid, output voltage switched off
- Potential-free fault signal contact (changeover)

Overview of basic equipment in RPL series

Output power		Power supplies with nominal output voltage			Chargers with nominal output voltage		
		DC 12V	DC 24V	DC 48V	13.7VDC	27.4VDC	54.8VDC
Single-phase units for connection to grids with voltages of 100-240VAC							
30W	Type Item no.	RPL 122.5W 0500-0000122.5W	RPL 241.25W 0500-0000241.25W	RPL 480.65W 0500-000480.65W	RPL 122.5WL 0520-000122.5WL	RPL 241.25WL 0520-000241.25WL	RPL 480.65WL 0520-000480.65WL
60W	Type Item no.	RPL 1205W 0500-000001205W	RPL 242.5W 0500-0000242.5W	RPL 481.25W 0500-000481.25W	RPL 1205WL 0520-00001205WL	RPL 242.5WL 0520-000242.5WL	RPL 481.25WL 0520-000481.25WL
125W	Type Item no.	RPL 1210W 0500-000001210W	RPL 2405W 0500-000002405W		RPL 1210WL 0520-00001210WL	RPL 2405WL 0520-00002405WL	
250W	Type Item no.	RPL 1220W 0500-000001220W	RPL 2410W 0500-000002410W	RPL 4805W 0500-000004805W	RPL 1220WL 0520-00001220WL	RPL 2410WL 0520-00002410WL	RPL 4805WL 0520-00004805WL
480W	Type Item no.		RPL 2420W 0500-000002420W	RPL 4810W 0500-000004810W		RPL 2420WL 0500-00002420WL	RPL 4810WL 0500-00004810WL
960W	Type Item no.		RPL 2440W 0500-000002440W			RPL 2440WL 0520-00002440WL	
Single-phase units for connection to grids with voltages of 220-400VAC							
30W	Type Item no.	RPL 122.5W1 0500-000122.5W1	RPL 241.25W1 0500-000241.25W1		RPL 122.5W1L 0520-00122.5W1L	RPL 241.25W1L 0520-0241.25W1L	
3-phase AC units for connection to grids with nominal voltages of 3AC 380-480V							
250W	Type Item no.		RPL 2410WD 0505-00002410WD			RPL 2410WDL 0525-0002410WDL	
480W	Type Item no.		RPL 2420WD 0505-00002420WD			RPL 2420WDL 0525-0002420WDL	
960W	Type Item no.		RPL 2440D 0505-000002440D			RPL 2440DL 0525-00002440DL	