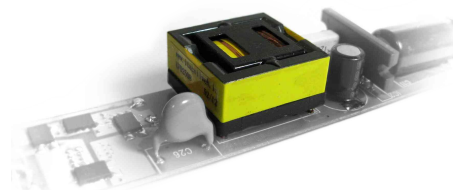


## SRL series for SMPS without PFC - 18...42Vdc

- Transformers designed for best performances on high efficiency LLC resonant power supply without PFC pre-regulator stage
- Suited for converters based on any controller present in today's markets as shown in the Integrated resonant transformers introduction page
- Power supply efficiency up to 94% with simplest hardware solutions, without synchronous rectification
- Integrated resonant inductor and extremely compact size
- High creepage/clearance/DTI for reinforced insulation to meet EN61558, EN60950, etc.
- Usually on stock
- Custom versions on request



## 18...42Vdc - Tank table for SMPS without PFC

Tank Reference	Converter Ratings						Aux Pri <sup>1</sup> (Vdc nom)	Aux Sec (Vdc nom)	Nominal Frequency	Layout (page 9)
	Output Voltage	Cont. Power	Max Power <sup>2</sup>	Main AC Voltage Range <sup>3</sup>		Input DC Voltage Range <sup>4</sup>				
				Open Jumper	Closed Jumper					
024.018.200.01	18Vdc	80W	200W	195-265Vac	97-132Vac	260..373Vdc	14,8Vdc 30mA	N/A	88KHz	Dwg 24A
026.018.170.01	18Vdc	135W	170W	195-265Vac	97-132Vac	260..373Vdc	14,2Vdc 30mA	14,2Vdc 30mA	115KHz	Dwg 26B
034.018.300.01	18Vdc	175W	300W	195-265Vac	97-132Vac	230..373Vdc	14,4Vdc 30mA	14,4Vdc 30mA	64KHz	Dwg 34A
024.024.270.01	24Vdc	60W	270W	195-265Vac	97-132Vac	260..373Vdc	19,9Vdc 30mA	N/A	82KHz	Dwg 24A
024.024.220.01	24Vdc	75W	220W	195-265Vac	97-132Vac	260..373Vdc	19,9Vdc 30mA	N/A	97KHz	Dwg 24A
024.024.150.02	24Vdc	100W	150W	195-265Vac	97-132Vac	260..373Vdc	19,9Vdc 30mA	N/A	128KHz	Dwg 24A
034.024.450.01	24Vdc	110W	450W	195-265Vac	97-132Vac	230..373Vdc	19,2Vdc 30mA	19,2Vdc 30mA	58KHz	Dwg 34A
026.024.230.01	24Vdc	150W	230W	195-265Vac	97-132Vac	260..373Vdc	19Vdc 30mA	19Vdc 30mA	107KHz	Dwg 26B
034.024.320.01	24Vdc	210W	320W	195-265Vac	97-132Vac	240..373Vdc	19,2Vdc 30mA	19,2Vdc 30mA	83KHz	Dwg 34A
024.028.110.01	28,5Vdc	90W	110W	195-265Vac	97-132Vac	260..373Vdc	23,6Vdc 30mA	N/A	139KHz	Dwg 24A
026.029.160.01	29Vdc	145W	160W	195-265Vac	97-132Vac	260..373Vdc	23Vdc 30mA	23Vdc 30mA	116KHz	Dwg 26B
034.029.280.01	29Vdc	190W	280W	195-265Vac	97-132Vac	250..373Vdc	23,2Vdc 30mA	23,2Vdc 30mA	86KHz	Dwg 34A
024.036.220.01	36Vdc	95W	220W	195-265Vac	97-132Vac	260..373Vdc	14,5Vdc 30mA	N/A	86KHz	Dwg 24A
034.036.370.01	36Vdc	200W	370W	195-265Vac	97-132Vac	225..373Vdc	15,7Vdc 30mA	15,7Vdc 30mA	64KHz	Dwg 34A
026.042.185.01	42Vdc	165W	185W	195-265Vac	97-132Vac	260..373Vdc	16,3Vdc 30mA	16,3Vdc 30mA	90KHz	Dwg 26B

- All the transformers for these tanks are stocked for immediate delivery.

- Test reports for standard tanks are available upon request.

- Above ratings are referred to a typical context. Some parameters are interrelated, any change on one of them can affect the others. Test properly or contact us for customized simulation analysis.

- Customized tanks can be defined both on standard and custom transformers to fit different operating conditions, see notes on page 7.

- Windings temperature should not exceed 100°C continuous, 115°C for short times.

<sup>1</sup> The AuxPri voltage will raise with load increase.

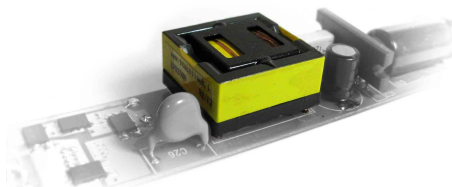
<sup>2</sup> Max available power on the whole input DC range, usable within the above mentioned winding temperature limits.

<sup>3</sup> See schematic 3, page 7.

<sup>4</sup> Ripple and hold-up time requirements considered.

<sup>nb</sup> The necessary tests and verifications of compliance with the technical and safety standard requirements lie within the exclusive competence of the customer.

- Transformers designed for best performances on high efficiency LLC resonant power supply without PFC pre-regulator stage
- Suited for converters based on any controller present in today's markets as shown in the Integrated resonant transformers introduction page
- Power supply efficiency up to 94% with simplest hardware solutions, without synchronous rectification
- Integrated resonant inductor and extremely compact size
- High creepage/clearance/DTI for reinforced insulation to meet EN61558, EN60950, etc.
- Usually on stock
- Custom versions on request



## 48...110Vdc - Tank table for SMPS without PFC

Tank Reference	Converter Ratings						Aux Pri <sup>1</sup> (Vdc nom)	Aux Sec (Vdc nom)	Nominal Frequency	Layout (page 9)
	Output Voltage	Cont. Power	Max Power <sup>2</sup>	Main AC Voltage Range <sup>3</sup>		Input DC Voltage Range <sup>4</sup>				
				Open Jumper	Closed Jumper					
024.048.280.01	48Vdc	70W	280W	195-265Vac	97-132Vac	260..373Vdc	19,5Vdc 30mA	N/A	80KHz	Dwg 24A
024.048.230.01	48Vdc	90W	230W	195-265Vac	97-132Vac	260..373Vdc	19,5Vdc 30mA	N/A	94KHz	Dwg 24A
024.048.155.01	48Vdc	110W	155W	195-265Vac	97-132Vac	260..373Vdc	19,5Vdc 30mA	N/A	124KHz	Dwg 24A
034.048.560.01	48Vdc	140W	560W	195-265Vac	97-132Vac	245..373Vdc	21Vdc 30mA	21Vdc 30mA	65KHz	Dwg 34A
026.048.230.01	48Vdc	175W	230W	195-265Vac	97-132Vac	260..373Vdc	18,7Vdc 30mA	18,7Vdc 30mA	102KHz	Dwg 26B
034.048.360.01	48Vdc	230W	360W	195-265Vac	97-132Vac	245..373Vdc	21Vdc 30mA	21Vdc 30mA	94KHz	Dwg 34A
024.056.130.01	56Vdc	90W	130W	195-306Vac	97-153Vac	260..430Vdc	22,8Vdc 30mA	N/A	124KHz	Dwg 24A
026.056.165.01	56Vdc	160W	165W	195-265Vac	97-132Vac	260..373Vdc	21,9Vdc 30mA	21,9Vdc 30mA	115KHz	Dwg 26B
034.056.310.01	56Vdc	210W	310W	195-265Vac	97-132Vac	240..373Vdc	24,6Vdc 30mA	24,6Vdc 30mA	90KHz	Dwg 34A
034.075.400.01	75Vdc	220W	400W	195-265Vac	97-132Vac	235..373Vdc	16,4Vdc 30mA	16,4Vdc 30mA	62KHz	Dwg 34A
034.096.360.01	96Vdc	230W	360W	195-265Vac	97-132Vac	230..373Vdc	21Vdc 30mA	21Vdc 30mA	86KHz	Dwg 34A
034.110.270.01	110Vdc	190W	270W	195-265Vac	97-132Vac	235..373Vdc	24,1Vdc 30mA	24,1Vdc 30mA	101KHz	Dwg 34A

- All the transformers for these tanks are stocked for immediate delivery.

- Test reports for standard tanks are available upon request.

- Above ratings are referred to a typical context. Some parameters are interrelated, any change on one of them can affect the others. Test properly or contact us for customized simulation analysis.

- Customized tanks can be defined both on standard and custom transformers to fit different operating conditions, see notes on page 7.

- Windings temperature should not exceed 100°C continuous, 115°C for short times.

<sup>1</sup> The AuxPri voltage will raise with load increase.

<sup>2</sup> Max available power on the whole input DC range, usable within the above mentioned winding temperature limits.

<sup>3</sup> See schematic 3, page 7.

<sup>4</sup> Ripple and hold-up time requirements considered.

<sup>nb</sup> The necessary tests and verifications of compliance with the technical and safety standard requirements lie within the exclusive competence of the customer.