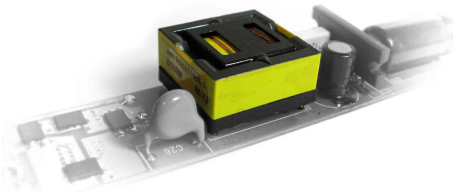
SRL series for SMPS with PFC - 18...42Vdc

- Transformers designed for best performances on high efficiency LLC resonant power supply with 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
- Integrated resonant inductor and extremely compact size
- Power supply efficiency up to 96% with simplest hardware solutions, without synchronous rectification
- 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 with PFC

Tank Reference	Converter Ratings						Aux Pri[1] (Vdc nom)	Aux Sec (Vdc nom)	Nominal Frequency	Layout (page 9)
	Output Voltage	Cont. Power	Max Power[2]	Rated Input Voltage Range	Min Input Voltage[3]	Nominal Input Voltage				
026.018.990.01	18Vdc	125W	990W	370..425Vdc	360Vdc	395Vdc	14,2Vdc 30mA	14,2Vdc 30mA	125KHz	Dwg 26B
034.018.950.01	18Vdc	175W	950W	370..410Vdc	340Vdc	395Vdc	14,4Vdc 30mA	14,4Vdc 30mA	113KHz	Dwg 34A
024.024.330.01	24Vdc	50W	330W	370..450Vdc	340Vdc	395Vdc	19,9Vdc 30mA	N/A	83KHz	Dwg 24A
024.024.200.01	24Vdc	100W	200W	370..450Vdc	340Vdc	395Vdc	19,8Vdc 30mA	N/A	123KHz	Dwg 24A
026.024.500.01	24Vdc	125W	500W	370..440Vdc	360Vdc	395Vdc	19Vdc 30mA	19Vdc 30mA	82KHz	Dwg 26B
034.024.730.01	24Vdc	150W	730W	370..450Vdc	340Vdc	395Vdc	19,2Vdc 30mA	19,2Vdc 30mA	59KHz	Dwg 34A
026.024.290.01	24Vdc	165W	290W	370..425Vdc	360Vdc	395Vdc	19Vdc 30mA	19Vdc 30mA	121KHz	Dwg 26B
034.024.420.01	24Vdc	220W	420W	370..450Vdc	340Vdc	395Vdc	19,2Vdc 30mA	19,2Vdc 30mA	94KHz	Dwg 34A
040.024.600.01	24Vdc	340W	600W	370..410Vdc	360Vdc	395Vdc	24Vdc 30mA	24Vdc 30mA	92KHz	Dwg 40A
024.028.135.02	28,5Vdc	100W	135W	370..450Vdc	340Vdc	395Vdc	23,6Vdc 30mA	N/A	138KHz	Dwg 24A
024.028.180.01	28,5Vdc	100W	180W	370..450Vdc	340Vdc	395Vdc	23,6Vdc 30mA	N/A	173KHz	Dwg 24A
026.029.520.01	29Vdc	120W	520W	370..425Vdc	360Vdc	395Vdc	23Vdc 30mA	23Vdc 30mA	101KHz	Dwg 26B
034.029.460.01	29Vdc	220W	460W	370..450Vdc	340Vdc	395Vdc	23,2Vdc 30mA	23,2Vdc 30mA	113KHz	Dwg 34A
024.030.120.01	30Vdc	90W	120W	370..450Vdc	340Vdc	395Vdc	24,8Vdc 30mA	N/A	145KHz	Dwg 24A
024.030.145.01	30Vdc	100W	145W	415..450Vdc	380Vdc	440Vdc	24,8Vdc 30mA	N/A	159KHz	Dwg 24A
034.036.990.01	36Vdc	190W	990W	370..450Vdc	340Vdc	395Vdc	15,7Vdc 30mA	15,7Vdc 30mA	107KHz	Dwg 34A
034.036.270.01	36Vdc	210W	270W	370..450Vdc	340Vdc	395Vdc	28,8Vdc 30mA	28,8Vdc 30mA	141KHz	Dwg 34A
026.042.420.01	42Vdc	165W	420W	370..425Vdc	360Vdc	395Vdc	16,3Vdc 30mA	16,3Vdc 30mA	117KHz	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.

[1] *The AuxPri voltage will raise with load increase.*
[2] *Max available power on the whole input DC range, usable within the above mentioned winding temperature limits.*
[3] *Ripple and hold-up time requirements considered.*
[nb] *The necessary tests and verifications of compliance with the technical and safety standard requirements lie within the exclusive competence of the customer.*

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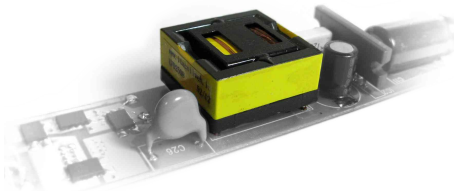

48...120Vdc - Tank table for SMPS with PFC

Tank Reference	Converter Ratings						Aux Pri[1] (Vdc nom)	Aux Sec (Vdc nom)	Nominal Frequency	Layout (page 9)
	Output Voltage	Cont. Power	Max Power[2]	Rated Input Voltage Range	Min Input Voltage[3]	Nominal Input Voltage				
024.048.350.01	48Vdc	80W	350W	370..450Vdc	340Vdc	395Vdc	19,5Vdc 30mA	N/A	81KHz	Dwg 24A
024.048.200.01	48Vdc	110W	200W	370..450Vdc	340Vdc	395Vdc	19,5Vdc 30mA	N/A	120KHz	Dwg 24A
034.048.820.01	48Vdc	130W	820W	370..450Vdc	340Vdc	395Vdc	21Vdc 30mA	21Vdc 30mA	65KHz	Dwg 34A
026.048.500.01	48Vdc	145W	500W	370..440Vdc	360Vdc	395Vdc	18,7Vdc 30mA	18,7Vdc 30mA	81KHz	Dwg 26B
026.048.290.02	48Vdc	185W	290W	370..425Vdc	360Vdc	395Vdc	18,7Vdc 30mA	18,7Vdc 30mA	120KHz	Dwg 26B
026.048.240.01	48Vdc	190W	240W	370..425Vdc	360Vdc	395Vdc	18,7Vdc 30mA	18,7Vdc 30mA	134KHz	Dwg 26B
034.048.430.01	48Vdc	240W	430W	370..450Vdc	340Vdc	395Vdc	21Vdc 30mA	21Vdc 30mA	103KHz	Dwg 34A
040.048.460.01	48Vdc	440W	460W	370..420Vdc	360Vdc	395Vdc	23,6Vdc 30mA	23,6Vdc 30mA	115KHz	Dwg 40A
024.056.185.01	56Vdc	115W	185W	370..450Vdc	340Vdc	395Vdc	22,8Vdc 30mA	N/A	171KHz	Dwg 24A
026.056.250.01	56Vdc	180W	250W	370..450Vdc	360Vdc	395Vdc	21,9Vdc 30mA	21,9Vdc 30mA	111KHz	Dwg 26B
034.056.480.01	56Vdc	240W	480W	370..450Vdc	340Vdc	395Vdc	24,6Vdc 30mA	24,6Vdc 30mA	133KHz	Dwg 34A
024.058.140.01	58Vdc	100W	140W	370..450Vdc	340Vdc	395Vdc	23,6Vdc 30mA	N/A	133KHz	Dwg 24A
024.060.125.01	60Vdc	90W	125W	370..450Vdc	340Vdc	395Vdc	24,5Vdc 30mA	N/A	141KHz	Dwg 24A
024.060.150.01	60Vdc	100W	150W	400..450Vdc	380Vdc	425Vdc	24,5Vdc 30mA	N/A	150KHz	Dwg 24A
034.060.470.01	60Vdc	220W	470W	370..450Vdc	340Vdc	395Vdc	26,4Vdc 30mA	26,4Vdc 30mA	124KHz	Dwg 34A
024.096.240.01	96Vdc	120W	240W	370..420Vdc	340Vdc	395Vdc	19,5Vdc 30mA	N/A	110KHz	Dwg 24A
034.096.500.01	96Vdc	270W	500W	370..450Vdc	340Vdc	395Vdc	21Vdc 30mA	21Vdc 30mA	93KHz	Dwg 34A
034.110.330.01	110Vdc	240W	330W	370..450Vdc	340Vdc	395Vdc	24,1Vdc 30mA	24,1Vdc 30mA	110KHz	Dwg 34A
034.118.360.01	118Vdc	265W	360W	370..450Vdc	340Vdc	395Vdc	25,9Vdc 30mA	25,9Vdc 30mA	153KHz	Dwg 34A
024.120.190.01	120Vdc	130W	190W	370..420Vdc	340Vdc	395Vdc	24,5Vdc 30mA	N/A	157KHz	Dwg 24A

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