

## Stabilized single-phase switching power supplies for DIN-rail mounting – 12 V - 24 V (adjustable) – Chapter 8.4

Available in stock  
Warranty 3 years



	DR-SPS 75W12V/BTE	DR-SPS 75W24V/BTE	DR-SPS 120W12V/BTE	DR-SPS 120W24V/BTE	DR-SPS 240W24V/BTE	DR-SPS 480W24V/BTE	DR-SPS-B 120W24V	DR-SPS-B 240W24V
Type	DR-SPS 75W12V/BTE	DR-SPS 75W24V/BTE	DR-SPS 120W12V/BTE	DR-SPS 120W24V/BTE	DR-SPS 240W24V/BTE	DR-SPS 480W24V/BTE	DR-SPS-B 120W24V	DR-SPS-B 240W24V
Code	11810	11809	11808	11807	11806	11805	9859	9860
Power (W)	75 W	75 W	120 W	120 W	240 W	480 W	120 W	240 W
V <sub>AC</sub> Input (V <sub>AC</sub> )	90-264 V <sub>AC</sub>	90-264 V <sub>AC</sub>	90-264 V <sub>AC</sub>	90-264 V <sub>AC</sub>	90-264 V <sub>AC</sub>	90-264 V <sub>AC</sub>	180-550 V <sub>AC</sub>	180-550 V <sub>AC</sub>
V <sub>DC</sub> Input (V <sub>DC</sub> )	127-370 V <sub>DC</sub>	127-370 V <sub>DC</sub>	127-370 V <sub>DC</sub>	127-370 V <sub>DC</sub>	127-370 V <sub>DC</sub>	127-370 V <sub>DC</sub>	254-780 V <sub>DC</sub>	254-780 V <sub>DC</sub>
V <sub>DC</sub> Out (V <sub>DC</sub> )	12 V <sub>DC</sub>	24 V <sub>DC</sub>	12 V <sub>DC</sub>	24 V <sub>DC</sub>	24 V <sub>DC</sub>	24 V <sub>DC</sub>	24 V <sub>DC</sub>	24 V <sub>DC</sub>
V <sub>DC</sub> Out: Adjustable (V <sub>DC</sub> )	12-14 V <sub>DC</sub>	24-28 V <sub>DC</sub>	12-14 V <sub>DC</sub>	24-28 V <sub>DC</sub>	24-28 V <sub>DC</sub>	24-28 V <sub>DC</sub>	24-28 V <sub>DC</sub>	24-28 V <sub>DC</sub>
I <sub>DC</sub> Nominal current Out (A)	6,3 A	3,2 A	10,0 A	5,0 A	10,0 A	20,0 A	5,0 A	10,0 A
Input current (A)	1,45 A/115 V 0,9 A/230 V	1,45 A/115 V 0,9 A/230 V	2,25 A/115 V 1,3 A/230 V	2,25 A/115 V 1,3 A/230 V	2,5 A/115 V 1,3 A/230 V	4,8 A/115 V 2,4 A/230 V	0,55 A/400 V 1,2 A/230 V	1,0 A/400 V 2,0 A/230 V
Inrush current (A)	20 A/115 V 35 A/230 V	20 A/115 V 35 A/230 V	20 A/115 V 35 A/230 V	20 A/115 V 35 A/230 V	20 A/115 V 35 A/230 V	20 A/115 V 35 A/230 V	50 A	50 A
Ripple (mV)	80 mVp-p	120 mVp-p	100 mVp-p	120 mVp-p	150 mVp-p	150 mVp-p	120 mVp-p	150 mVp-p
Efficiency (%)	85,5%	88%	85,5%	88%	88,5%	92,5%	91%	90%
Protection – Overload (%) <sup>(1)</sup>	105-130%	105-130%	105-130%	105-130%	105-130%	105-130%	105-130%	105-130%
Protection – Overvoltage (V <sub>DC</sub> )	14-17 V <sub>DC</sub>	29-33 V <sub>DC</sub>	14-17 V <sub>DC</sub>	29-33 V <sub>DC</sub>	29-33 V <sub>DC</sub>	29-33 V <sub>DC</sub>	130-150%	130-150%
DC OK	Led	Led	Led	Led	Led	Led	Relay Contact	Relay Contact
Operating temperature range (°C)	-20 +70 °C	-20 +70 °C	-20 +70 °C	-20 +70 °C	-20 +70 °C	-20 +70 °C	-25 +70 °C	-30 +70 °C
t <sub>0</sub> Ambient temperature (°C)	45 °C	45 °C	50 °C	50 °C	50 °C	50 °C	60 °C	50 °C
Dimensions (w x h x d) (mm)	32 x 125,2 x 102	32 x 125,2 x 102	40 x 125,2 x 113,5	40 x 125,2 x 113,5	63 x 125,2 x 113,5	85,5 x 125,2 x 128,5	40 x 126 x 114	63 x 126 x 114
Weight (kg)	0,51 kg	0,51 kg	0,60 kg	0,60 kg	1,00 kg	1,50 kg	0,70 kg	1,12 kg
	<b>NEW</b>	<b>Evolution – BTE – Energy Efficient</b>				blue e <sup>3</sup> CE	<b>Broad</b>	CE

(1) Overload: constant current limiting - reset: Autorecovery /  
Overtemperature: Power Shut Down - reset: Autorecovery

## Stabilized single-phase switching power supplies for DIN-rail mounting – 12 V - 24 V (adjustable) – Chapter 8.4

Available in stock  
Warranty 3 years



Type	DR-SPS-M 60W12V/BTE	DR-SPS-M 60W24V/BTE	DR-SPS-M 100W12V/BTE	DR-SPS-M 100W24V/BTE	DR-SPS-N 40W12V	DR-SPS-N 40W24V	DR-SPS-N 100W12V	DR-SPS-N 100W24V
Code	11812	11811	11826	11827	9857	9858	9855	9856
Power (W)	60 W	60 W	100 W	100 W	40 W	40 W	100 W	100 W
V <sub>AC</sub> Input (V <sub>AC</sub> )	85-264 V <sub>AC</sub>	85-264 V <sub>AC</sub>	85-264 V <sub>AC</sub>	85-264 V <sub>AC</sub>	85-264 V <sub>AC</sub>	85-264 V <sub>AC</sub>	85-264 V <sub>AC</sub>	85-264 V <sub>AC</sub>
V <sub>DC</sub> Input (V <sub>DC</sub> )	120-370 V <sub>DC</sub>	120-370 V <sub>DC</sub>	120-370 V <sub>DC</sub>	120-370 V <sub>DC</sub>	120-370 V <sub>DC</sub>	120-370 V <sub>DC</sub>	120-370 V <sub>DC</sub>	120-370 V <sub>DC</sub>
V <sub>DC</sub> Out (V <sub>DC</sub> )	12 V <sub>DC</sub>	24 V <sub>DC</sub>	12 V <sub>DC</sub>	24 V <sub>DC</sub>	12 V <sub>DC</sub>	24 V <sub>DC</sub>	12 V <sub>DC</sub>	24 V <sub>DC</sub>
V <sub>DC</sub> Out: Adjustable (V <sub>DC</sub> )	11-13 V <sub>DC</sub>	22-26 V <sub>DC</sub>	12-14 V <sub>DC</sub>	24-28 V <sub>DC</sub>	12-14 V <sub>DC</sub>	24-28 V <sub>DC</sub>	12-14 V <sub>DC</sub>	24-28 V <sub>DC</sub>
I <sub>DC</sub> Nominal current Out (A)	5,0 A	2,5 A	8,4 A	4,2 A	3,3 A	1,7 A	7,5 A	4,0 A
Input current (A)	1,2 A/115 V 0,8 A/230 V	1,2 A/115 V 0,8 A/230 V	3 A/115 V 1,6 A/230 V	3 A/115 V 1,6 A/230 V	1,1A/115 V 0,7A/230 V	1,1 A/115 V 0,7 A/230 V	1,3 A/115 V 0,8 A/230 V	1,3 A 115 V 0,8 A/230 V
Inrush current (A)	30 A/115 V 60 A/230 V	30 A/115 V 60 A/230 V	30 A/115 V 50 A/230 V	30 A/115 V 50 A/230 V	30 A/115 V 60 A/230 V	30 A/115 V 60 A/230 V	30 A/115 V 60 A/230 V	30 A/115 V 60 A/230 V
Ripple (mV)	120 mVp-p	150 mVp-p	120 mVp-p	150 mVp-p	120 mVp-p	150 mVp-p	120 mVp-p	150 mVp-p
Efficiency (%)	88%	90%	88%	90%	86%	88%	85%	86%
Protection – Overload (%) <sup>(1)</sup>	105-160%	105-160%	102-110%	102-110%	105-150%	105-150%	105-150%	105-150%
Protection – Overvoltage (V <sub>DC</sub> )	14,2-16,2%	30-36%	14,2-16,2%	30-36%	125-150%	125-150%	125-150%	125-150%
DC OK	Led	Led	Led	Led	Relay Contact	Relay Contact	Relay Contact	Relay Contact
Operating temperature range (°C)	-30 +70 °C	-30 +70 °C	-30 +70 °C	-30 +70 °C	-20 +70 °C	-20 +70 °C	-20 +60 °C	-20 +60 °C
t <sub>a</sub> Ambient temperature (°C)	45 °C	45 °C	40 °C	40 °C	60 °C	60 °C	40 °C	40 °C
Dimensions (w x h x d) (mm)	52 x 90 x 54,5	52 x 90 x 54,5	70 x 90 x 54,5	70 x 90 x 54,5	40 x 90 x 100	40 x 90 x 100	55 x 90 x 100	55 x 90 x 100
Weight (kg)	0,19 kg	0,19 kg	0,27 kg	0,27 kg	0,32 kg	0,32 kg	0,45 kg	0,45 kg
	<b>NEW</b>	<b>Modular – BTE – Energy Efficient</b>			blue	<b>Narrow</b>		

(1) Overload: constant current limiting - reset: Autorecovery /  
Overtemperature: Power Shut Down - reset: Autorecovery