

Switching power supplies

Single phase switching power supplies

Types	120W - 120W(N)	240 W	300 W	480 W
				
Dimensions (mm) HxWxD	125 x 63.5 x 126	125 x 83 x 126	125 x 83 x 126	125 x 175 x 123
Output specifications				
Voltage	12 VDC 24 VDC 48 VDC	24 VDC 48 VDC	24 VDC 48 VDC	24 VDC 48 VDC
Current	10 A 5 A 2.5 A	10 A 5 A	12.5A 6.25A	20A 10A
Line regulation	±1%	±1%	±0.5%	±0.5%
Load regulation	±1%	±1%	±1%	±0.5%
Efficiency	84% 86% 87%	89% 90%	89% 90%	89% 90%
Input specifications				
Voltage range	By switch: 93 to 132 VAC (autoselect on "N" model), 186 to 264 VAC 210 to 370 VDC	Autoselect: 93 to 132VAC, 186 to 264VAC, 210 to 370VDC	Autoselect: 90 to 264 VAC, 210 to 375 VDC	Autoselect: 93 to 132 VAC, 186 to 264 VAC, 210 to 370 VDC
Frequency range	47 to 63 Hz	47 to 63 Hz	47 to 63 Hz	47 to 63 Hz
PFC	0.7	0.7	0.75	0.99
General specifications				
Ambient temperature	-25°C to +71°C	-25°C to +71°C	-25°C to +71°C	-25°C to +71°C
Storage	-25°C to +85°C	-25°C to +85°C	-25°C to +85°C	-25°C to +85°C
Derating (>60°C)	2.5 % /°C	2.5 % /°C	2.5 % /°C	2.5 % /°C > 56°C
Approvals/Marks	UL - cUL - TÜV - CE - Classl DIV2	UL - cUL - TÜV - CE - Classl DIV2	UL - cUL - TÜV - CE - Classl DIV2	UL - cUL - TÜV - CE - Classl DIV2
Installation	DIN Rail	DIN Rail	DIN Rail	DIN Rail
Connection	Screw terminals/ Spring terminals (B)	Screw terminals/ Spring terminals (B)	Screw terminals/ Spring terminals (B)	Screw terminals/ Spring terminals (B)
Main features				
	Adjustable output voltage. Internal noise filter. Short circuit protection. Overload protection (110-145%). Parallel connection up to 3 supplies and PFC function on (N) model only.	Adjustable output voltage. Internal noise filter. Short circuit protection. Overload protection (110-145%) Parallel connection up to 3 supplies standard. PFC function integrated.	Parallel function, PFC and Output ready	Adjustable output voltage. Internal noise filter. Short circuit protection. Overload protection (120-140%) Parallel connection up to 3 supplies standard. PFC function integrated.
LED indicator for "power on"	Yes	Yes	Yes, 24V with output ready	Yes
LED indicator for DC "too low"	Yes - with relay output (SPD24 only)	Yes - with relay output (SPD24 only)	Yes	Yes - with relay output (SPD24 only)
References				
12 VDC				
Screw terminals	SPD121201 SPD121201N			
Detatch. screw terminals	SPD121201B SPD121201BN			
24 VDC				
Screw terminals	SPD241201 SPD241201N	SPD242401	SPD243001	SPD244801
Detatch. screw terminals	SPD241201B SPD241201BN	SPD242401B	SPD243001B	SPD244801B
48 VDC				
Screw terminals	SPD481201 SPD481201N	SPD482401	SPD483001	SPD484801
Detatch. screw terminals	SPD481201B SPD481201BN	SPD482401B	SPD483001B	SPD484801B