

Switching power supplies

Single phase switching power supplies

Types	5 / 10 / 18W				30 / 60W			90 / 100W		
										
Dimensions (mm) HxWxD	90 x 22.5 x 115				90 x 40.5 x 115			90 x 54 x 114		
Output specifications										
Voltage	5 VDC	15 VDC	12 VDC	24 VDC	12 VDC	24 VDC	48 VDC	12 VDC	24 VDC	48 VDC
Current SPD 5W	1 A	340 mA	420 mA	210 mA						
Current SPD 10W	2 A	670 mA	840 mA	420 mA						
Current SPD 18W	3 A	1.2 A	1.5 A	750 mA						
Current SPD 30W					2.5 A	1.25 A	625 mA			
Current SPD 60W					5 A	2.5 A	1.25 A			
Current SPD 90W									3.8 A	
Current SPD 100W								8.4 A	4.2 A	2.1 A
Line regulation			±1%			±2%			±0.5%	
Load regulation			±2%			±2%			±1%	
Efficiency	75%	77%	77%	77%	86%	89%	89%		85%	
Input specifications										
Voltage range	Multi voltage: 90 to 265 VAC or 120 to 370 VDC				Multi voltage: 90 to 265VAC or 120 to 370 VDC			Multi voltage: 90 to 264 VAC or 120 to 375 VDC		
Frequency range	47 to 63 Hz				47 to 63 Hz			47 to 63 Hz		
PFC								0.7		
General specifications										
Ambient temperature	-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		
Derating (>60°C)	3 % /°C				2.5 % /°C			2.5 % /°C		
Approvals/Marks	UL - cUL - TÜV - CE - Class I DIV2				UL - cUL - TÜV - CE - Class I DIV2			UL - cUL - TÜV - CE - Class I DIV2		
Installation	DIN Rail				DIN Rail			DIN Rail		
Connection	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 (110-135%)				Adjustable output voltage Internal noise filter Short circuit protection Overload protection (110-135 %) Output "Power ready" signal VDC (only model 24 VDC)			Adjustable output voltage Internal noise filter Short circuit protection Overload protection (102-108%), PFC. Overvoltage protection (102-106%). Output "Power ready" signal VDC.		
LED indicator for "power on"	Yes				Yes			Yes		
LED indicator for DC "too low"	Yes				No - SPD24 with transistor output			Yes with relay output		
References										
5 VDC										
Screw terminals	SPD05051 / SPD05101 SPD05181									
Spring terminals	SPD05051B / SPD05101B SPD05181B									
12 VDC										
Screw terminals	SPD12051 / SPD12101 SPD12181				SPD12301 SPD12601			SPD121001		
Spring terminals	SPD12051B / SPD12101B SPD12181B				SPD12301B SPD12601B					
24 VDC										
Screw terminals	SPD24051 / SPD24101 SPD24181				SPD24301 SPD24601			SPD24901L SPD241001		
Spring terminals	SPD24051B / SPD24101B SPD24181B				SPD24301B SPD24601B					
48 VDC										
Screw terminals					SPD48301 SPD48601			SPD481001		
Spring terminals					SPD48301B SPD48601B					