

Switching power supplies

Three phase switching power supplies

Types	SPD 120 W 3ph	SPD 240 W 3ph	SPD 480 W 3ph	SPD 960 W 3ph
				
Dimensions (mm) HxWxD	123.6 x 74.3 x 112	123.6 x 89.0 x 110.7	125 x 175 x 125	125.9 x 275.8 x 118.2
Output specifications				
Voltage	12 VDC 24 VDC	24 VDC 48 VDC	24 VDC 48 VDC	24 VDC 48 VDC
Current	10 A 5 A	10 A 5 A	20 A 10 A	40 A 20 A
Line regulation	±1%	±1%	±0.5%	±1%
Load regulation	±1%	±1%	±0.5%	±1%
Efficiency	88% 89%	90% 91%	90% 91%	92% 93%
Input specifications				
Voltage range	340 to 575 VAC 480 to 820 VDC	340 to 575 VAC 480 to 820 VDC	340 to 575 VAC 480 to 820 VDC	340 to 575 VAC 480 to 820 VDC
Frequency range	47 to 63Hz	47 to 63Hz	47 to 63Hz	47 to 63Hz
PFC	0.6	0.6	0.7	0.7
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 > 56°C	2.5 % /°C > 56°C
Approvals/Marks	UL - cUL - TÜV - CE	UL - cUL - TÜV - CE	UL - cUL - TÜV - CE	UL - cUL - TÜV - CE
Installation	DIN Rail	DIN Rail	DIN Rail	DIN Rail
Connection	Screw terminals	Screw terminals	Screw terminals / Detach conn.	Screw terminals
Main features				
	Can be used as Bi or Three phase, Parallel function and PFC.	Can be used as Bi or Three phase, Parallel function and PFC.	Can be used as Bi or Three phase, Parallel function and PFC.	Can be used as Bi or Three phase. Active parallel function and PFC.
LED indicator for "power on"	Yes, 24 V with output ready	Yes, 24 V with output ready	Yes, 24 V with output ready	Yes, 24 V with output ready
LED indicator for DC "too low"	Yes	Yes	Yes	Yes
References				
12 VDC				
Screw terminals	SPD121203			
24 VDC				
Screw terminals	SPD241203	SPD242403	SPD244803 SPD244803B	SPD249603 SPD249603L (without parallel function and output ready)
48 VDC				
Screw terminals		SPD482403	SPD484803 SPD484803B	SPD489603