





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	
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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 functionand 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	