

SPDC



Single Phase Compact Power Supply



Description

The SPDC power supplies is a range where high performance meets high quality in a compact frame. These power supplies are offered in 120W, 240W, 480W, and they have a universal input voltage range 85VAC to 264VAC and 130VDC to 350VDC.

The SPDC achieve a high energy efficiency of up to 94%, and can be connected in parallel to achieve twice the current. Reliability is guaranteed through the multiple integrated protections, and it also comes with built-in active PFC.

SPDC coupled compact dimensions with advance features to provide a power supply for all automation applications requiring reliability, quality and performance.

Benefits

- **Reliable power in very compact dimensions.** This SPDC has an ultra-slim DIN rail body, with up to 480W in only 70mm width of space
- **Built-in active PFC.** The power factor correction (PFC) circuit adjusts the power factor to 0.99@110Vac and 0.95@230Vac.
- **Parallel function.** The SPDC can easily be connected in parallel to provide for increased power or used in redundancy operations.
- **150% Power Boost.** The SPDC can provide 150% of the rated output power for up to 3 seconds, providing the extra power needed during critical startups.
- **Universal AC, DC input range.** SPDC Series can be powered with AC Voltage (85VAC to 264VAC) or with DC Voltage (130VDC to 350VDC).
- **Reliable critical protection.** Safety and reliability is guaranteed by the various output protections: Over Voltage (OVP), Over Load (OLP), Short Circuit (SCP) and Over Temperature (OTP).
- **High efficiency and wide operating ambient temperature.** The SPDC has a very high efficiency of up to 93.8%. The operating temperature range is, from -25°C to +60°C (without derating), and up to 70°C with -25% derating.
- **Ease of installation.** The SPDC can be installed in 5 different orientations, enabling the unit to fit easily into installation with limited space.

Applications

The SPDC is extremely suitable for applications which requires high efficiency, high safety standards and high PF corrections. It also provides the DC OK signaling with LED and relay output.

Main functions

- High Efficiency up to 93.8%
- In-built active PFC, PF>0.95
- Output options of 12VDC, 24VDC or 48VDC
- Universal input voltage range: 85VAC to 264VAC; 130VDC to 350VDC
- Bi-colour LED for Status, and DC-OK relay contact
- Parallel function

Order code

 **SPDC** ☐ ☐ 1

Enter the code entering the corresponding option instead of ☐

Code	Option	Description	Notes
S	-	Switching	Device typology
P	-	Power	
D	-	DIN rail	
C	-	Compact	Size
☐	12	12VDC	Rated output voltage
	24	24VDC	
	48	48VDC	
☐	120	120W	Rated output power
	240	240W	
	480	480W	
1	-	Single phase input	Input type

Selection guide

Output Voltage	120W	240W	480W
12VDC	SPDC121201	-	-
24VDC	SPDC241201	SPDC242401	SPDC244801
48VDC	-	-	SPDC484801

Further reading

Information	Where to find it	QR
SPDC Installation Sheet		
SPDC CAD drawings		
SPDC Certification		