

























- ◆ Features
- Constant voltage
- Universal input voltage 90~264Vac
- High efficiency, high reliability and long lifetime.
- Air cooling
- Working temperature:-30°C ~+70°C
- Protection: over load, over voltage, over temperature, short circuit, etc.
- Typical efficiency up to 91.0%
- No load power comsumption <0.3W;
- Compliance to RoHS/REACH Environmental standards
- 100% Full load burn-in test
- 3 years warranty

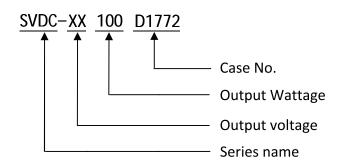
Application

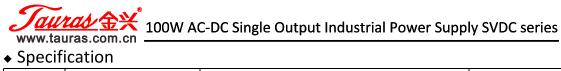
- Industrial Automation Equipment
- Industrial Electrical Equipment
- Handheld Electronic Devices
- Mechanical Equipment

Description

The SVDC-XX100D1772 series is a 100W single output industrial power supply with height at 30mm. This series has a wide input voltage range and can be used for both AC and DC. The metal mesh shell structure enhances the heat dissipation capability and can work normally in a temperature range of -30°C to +70°C without a fan. Providing a no-load power consumption of less than 0.3W, the terminal system can easily meet international energy standards. It provides multiple protection and anti-5G vibration capabilities, built-in EMI filter components, complies with CISPR32/EN55032 CLASS B. Good electromagnetic compatibility (EMC) characteristics protect terminal electronic equipment from electromagnetic interference.

Model Encoding

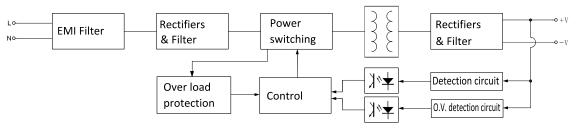




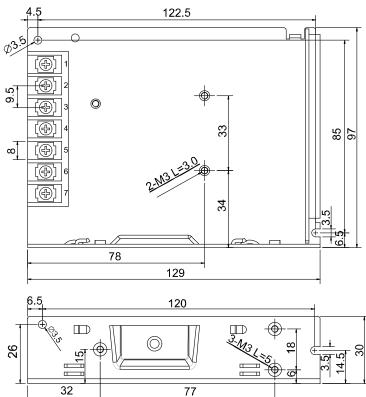
Ication	CVDC 12100D1772	CVDC 24100D1772	
DC voltage		SVDC-24100D1772	
		4.17A	
		0~4.17A	
		100W	
		91.0%	
		21.6~28.8V	
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	•	±2.0%	
	•	±0.5%	
		±1.0%	
Hold up time (Typ.)			
Voltage range *2	90~264VAC or 127~374VDC		
Frequency range	47~63Hz		
AC current	Max.2.46A		
Inrush current (Typ.)	Cold start: 60A/230VAC		
Leakage current	<0.75mA/240VAC		
105%~155% of the rated power			
Over load	Protection type: hiccup mode, recovers automatically after load reduced.		
Overveltage	13.8~18.0V	28.8~36.0V	
Over voltage	Protection type: hiccup mode, recovers automat	ically after fault condition removed.	
Over temperature	Protection type: shut down O/P voltage, recovers automatically after temperature goes down.		
Working temp			
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	IEC/EN61000-4-5 L_N±2KV L/N/P_G ±4KV perf.Criteria A		
	IEC/EN61000-4-6 10Vr.m.s perf.criteria A		
Voltage dips, sags and short interruptions immunity	IEC/EN61000-4-11 0%,70% perf. Criteria B		
MTBF	>200K		
Warranty	3 years		
Dimension			
① All parameters NOT specially mentioned are	measured at 230VAC input, rated load and 25°C of ambient temperature.		
② Derating may be needed under low input voltages. Please check the static characteristics for more details. ③ Tolerance: includes set up tolerance, line regulation and load regulation. ④ Ripple & noise are measured at 20MHz of bandwidth by using twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. ⑤ The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-confirm EMC Directive on the complete installation. ⑥ The start time was tested under the situation of cold start, continuous switching on/off may raise the start time. ⑦ Input current and safety requirements have slightly different parameters due to different certifications. ⑧ When the total power remains unchanged and the output voltage is increased, the output current should be reduced accordingly. ⑨ When the altitude exceeds 2000 m (6500ft), the operating environment temperature decreases at a rate of 3.5°C /1000 m.			
	Hold up time (Typ.) Voltage range * ② Frequency range AC current Inrush current (Typ.) Leakage current Over load Over voltage Over temperature Working temp. Working humidity Storage temp.,humidity Temp. coefficient Vibration Soldering temp. Operation height * ③ Safety standards Withstand voltage Isolation resistance Conduct emission Radiated emission Harmonic current Electrostatic Discharge Radiated immunity Electrical Fast Transient/Burst Immunity Surge immunity Conducted interference immunity Voltage dips, sags and short interruptions immunity MTBF Warranty Dimension Packing ① All parameters NOT specially mentioned are ② Derating may be needed under low input vo ③ Tolepanex: includes re metal product the situation of the product of the start turner and safety requirements have ③ Tolepanex: includes re metal product red in the start turner and safety requirements have ③ Tolepanex: includes re metal requirements have ③ Tolepanex: includes re metal red component the ③ The power supply is considered as a component the ③ The power supply is considered as a component the ③ The power supply is considered as a component the ③ The power supply is considered as a component the ③ The power supply is considered as a component the ③ The start turner and safety requirements have ③ When the total power remains unchanged as § When the power remains unchanged as § When the power remains unchanged as § When the power remains unchanged	Rated current	







◆ Case Dimension

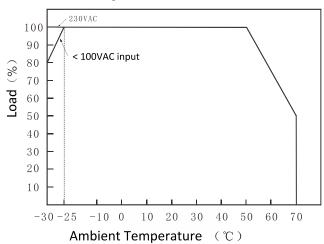


Pin No.	Pin function	Pin No.	Pin function
1	AC/L	4,5	-V
2	AC/N	6,7	+V
3	FG_		

Note:

Dimension unit: mm Unmarked tolerance: ± 1.00

◆ Derating Curve



◆ Input Derating Curve

