## **SCS120PW Series**

### 3 x 5" 120W Single Output Power Supplies

#### **Features**

- ◆ Low Profile
- Convection cooled
- ◆ Wide Range AC Input with PFC
- ◆ Global Safety Agency Compliance
- ◆ Industry standard footprint

### **Key Market Segments & Applications**











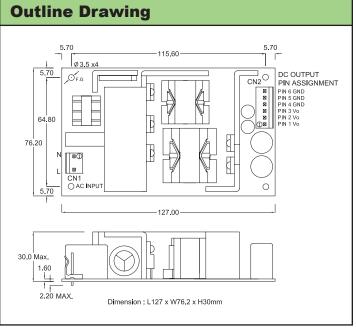
Specifications				
Model				
Output Power	W	120W		
Line & Load Regulation	%	See model selector		
Ripple & Noise	%	1%		
Hold Up Time (typical)	ms	16ms (Full load at 115VAC input)		
Overcurrent Protection	%	105 - 120%		
Overvoltage Protection	%	110 - 130%, cycle AC line to reset		
Input Voltage Range	-	90-264 VAC, 47-63 Hz (440Hz with reduced PFC)		
AC Input Current	A	2.5A Max		
Harmonic Correction (PFC)	-	Meets EN61000-3-2 (typically >0.9)		
Efficiency	%	Typically 85% full load at nominal AC Line		
Inrush Current Limiting	Α	<50A peak @ 230VAC cold start		
Leakage Current	mA	<0.75mA (264VAC, 60Hz)		
Surge Immunity	-	EN61000-4 (-2 through -5)		
EMI	-	FCC Class B, EN55022 B		
Cooling	-	Convection		
Withstand Voltage	-	Input to Ground 1.5kVAC, Input to Output 3kVAC, Output to Ground 500VDC		
Isolation Resistance	-	>20M at 25°C & 70%RH, Output to Ground 500VDC		
Operating Temperature	°C	0 to +40°C, derate linearly to 50% load from 40°C to 60°C		
Temperature Coefficient	%/°C	±0.05%/°C		
Storage Temperature	°C	-10 to +70°C		
Humidity (non-condensing)	-	20-90%RH operating, 20-95%RH non-operating		
Shock	-	< 196.1m/s <sup>2</sup> (20G)		
Vibration	-	10Hz-55Hz amplitude (sweep 1 min), <2G X, Y, Z axis for 1 hour each		
Altitude	m	3000m operating, 5000m storage		
Safety Agency Approval	-	UL60950-1, CSA60950-1, EN60950-1, CCC, CE Mark (LVD)		
Size W x L x H	in	3 x 5 x 1.27"		
Weight	g	300		
Warranty	yrs	1 year		

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Model Selector					
Models	Output Voltage	Output Load	Output Regulation)		
SCS120PW12	12V	10A	3%		
SCS120PW15	15V	8A	2%		
SCS120PW18	18V	6.67A	2%		
SCS120PW19	19V	6.32A	2%		
SCS120PW24	24V	5A	2%		
SCS120PW30	30V	4A	2%		
SCS120PW32	32V	3.75A	2%		
SCS120PW36	36V	3.34A	2%		
SCS120PW48	48V	2.5A	2%		

Mating Connectors					
Mating	Molex Connector	Molex Pins			
CN1	09-50-8031	08-52-0113			
CN2	09-50-8061	08-52-0113			

Other Industrial Products				
EFE300	3" x 5" 300W single output			
CSS150	3" x 5" 150W single output (Medical)			
NV175	3" x 5" 175W single to quad outputs			
SC40/60	3" x 5" 40 - 80W single to quad outputs			
ZPSA/ZPT	2" X 4" 40 - 60W single to triple outputs			
ZWS	5 to 240W single output			



For Additional Information, please visit us.tdk-lambda.com/lp/products/scs120-series.htm

