

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

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

**RoHS**

### Key Market Segments & Applications

Computer Peripherals  
Datacom  
Point of Sale  
Test and Measurement

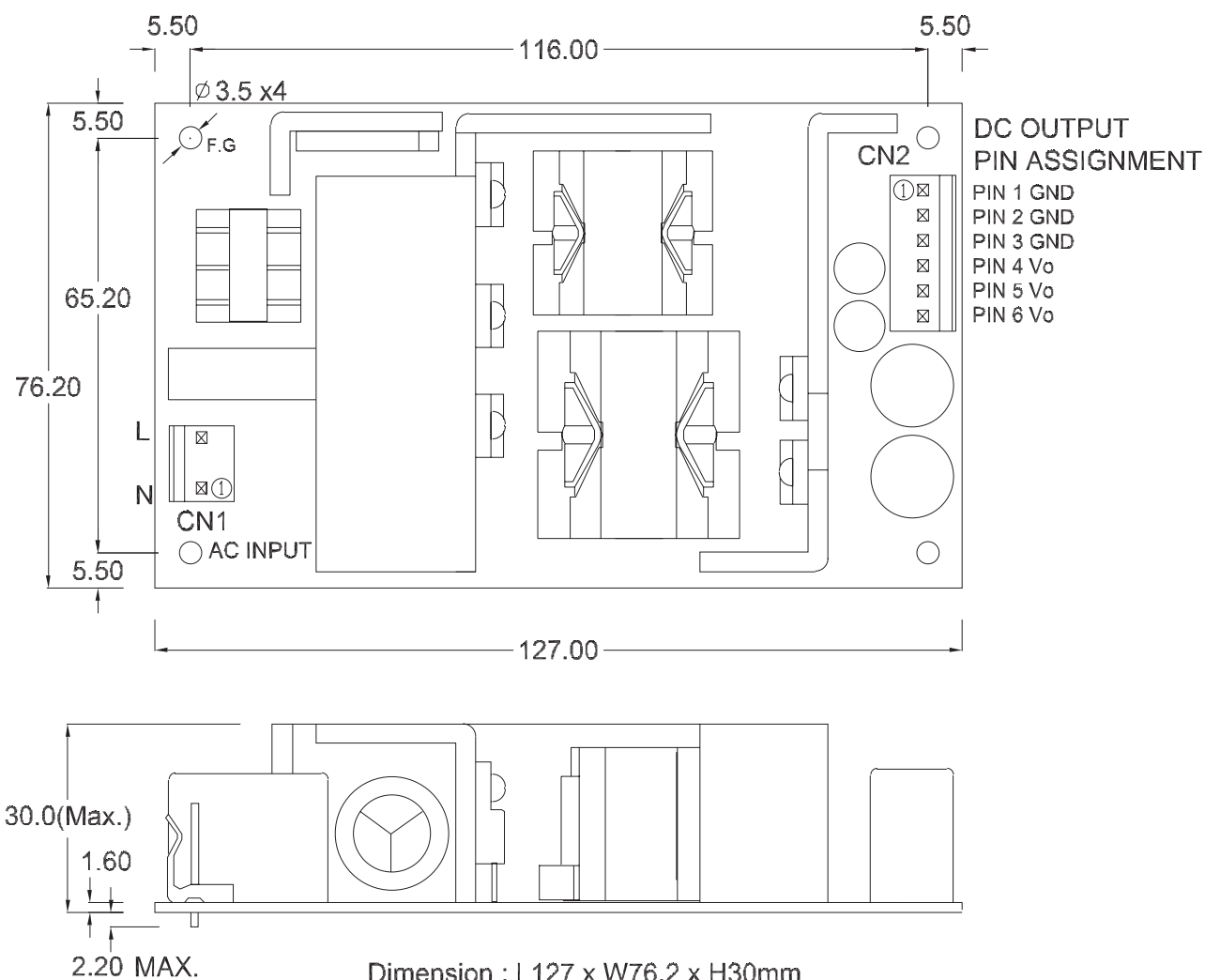
## Features and Benefits

Feature	Benefit
◆ Industry standard footprint	◆ Availability to second source
◆ Power factor Correction	◆ Worldwide usage
◆ Convection Cooled	◆ Easier system integration
◆ Low profile	◆ Suitable for 1U enclosures

## Specifications

MODELS		SCS120PW12	SCS120PW15	SCS120PW18	SCS120PW19	SCS120PW24
ITEMS						
Output Voltage (Fixed)	V	12V	15V	18V	19V	24V
Output Current	A	10A	8A	6.67A	6.32A	5A
Output Power	W	120W				
Line & Load Regulation	%	±3%				
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	A	<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				
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, CE Mark (LVD)				
Size W x L x H	In	3 x 5 x 1.27"				
Weight	g	300				
Warranty	yrs	1 year				

## Outline Drawing



## Other Lambda Industrial Products

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 triple outputs
ZWS	5 to 240W single output

For Additional Information, please visit  
[us.tdk-lambda.com/lp/products/scs120-series.htm](http://us.tdk-lambda.com/lp/products/scs120-series.htm)

## Mating Connectors

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