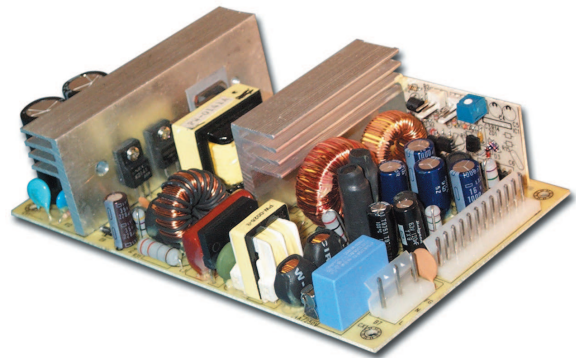


4 x 7" Low Cost PFC Power Supplies

Features

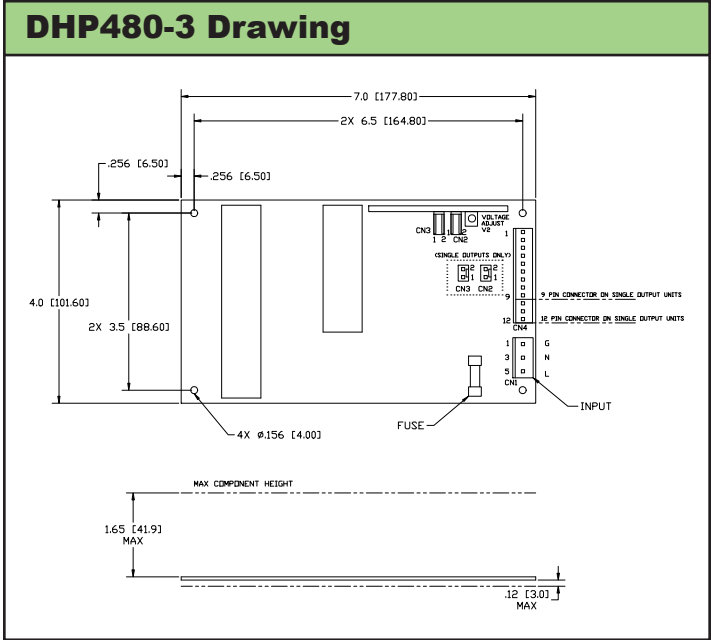
- ◆ Low Cost
- ◆ Single and Multiple Outputs
- ◆ Wide Range AC Input with PFC
- ◆ Global Safety Agency Compliance
- ◆ Industry standard footprint
- ◆ Meets EN61000-4 immunity



Specifications		
Model	SC120	
Output Power	W	80W Convection, 110W Forced Air, 120W Peak (<30s, 10% duty cycle)
Main Output Adjustment	V	V1 only $\pm 5\%$ (except SCS120: $\pm 5\%$, SCQ12003051212: V2 only $\pm 5\%$.)
Line Regulation	-	Typically 0.1%
Load Regulation	-	V1: $\pm 2\%$ V2: $< 5V \pm 3\%$, 6-15V $\pm 5\%$, $> 15V +10 -5\%$ V3: $\pm 5\%$, V4: $\pm 5\%$
Ripple and Noise	-	1% or 50mV minimum, peak to peak
Transient Response	-	$< 10\%$ deviation, recovery $< 1ms$ for a 25% load change over 20-100% load
Remote Sensing	-	V1 only compensates for 0.25V drop per lead (SCQ120P03051212 V1 & V2 outputs)
Overcurrent Protection	-	Short circuit protected
Overvoltage Protection	-	V1 only (SCQ12003051212 V1 & V2)
Size (W x L x H)	In.	4 x 7 x 1.65" (Maximum component height)
AC Input	-	90-264 VAC, 47-63 Hz
Harmonic Correction (PFC)	-	Meets EN61000-3-2
Efficiency	%	Typically 70% full load at nominal AC Line
Inrush Current Limiting	A	36A typical @ 230VAC cold start @ 25°C
Hold Up Time (typical)	ms	16mS
Surge Immunity	-	EN61000-4 (-2 through -5) level 3, Class A
EMI	-	FCC Class B, EN55022 B, EN55011, EN50081-1, -2
Cooling	-	Convection or Forced (30CFM)
Operating Temp. Range	-	0 to +50°C
Storage Temperature	-	-20 to +85°C
Shock	-	$< 20G$
Vibration	-	10Hz-55Hz amplitude (sweep 1 min), $< 2G$ X, Y, Z axis for 1 hour each
Safety Agency Approval	-	UL1950, CSA950, EN60950, CE Mark
Warranty	-	1 year

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Options						
Model	Output (V)	Min Load (A)	Conv. (A)	Forced Air (A)	Peak Load (A)	
Single Output						
SCS120P03	V1 3.3	-	16.0	22.0	25.0	
SCS120P05	V1 5	-	16.0	22.0	25.0	
SCS120P12	V1 12	-	6.7	9.2	10.4	
SCS120P15	V1 15	-	5.3	7.3	8.3	
SCS120P24	V1 24	-	3.3	4.6	5.2	
SCS120P48	V1 48	-	1.7	2.3	2.6	
Dual Output						
SCD120P0524	V1 5	2.0	9.0	11.0	15.0	
	V2 24	0.5	3.5	4.5	5.0	
Triple Output						
SCT120P030512	V1 3	-	8.0	16.0	28.0	
	V2 5	1.0	10.0	20.0	28.0	
	V3 12	0.2	2.0	3.0	4.0	
Quad Output						
SCQ120P05241212R	V1 5	2.0	9.0	11.0	15.0	
	V2 24	0.3	3.0	3.0	5.0	
	V3 12	-	0.7	1.0	1.5	
	V4 -12	-	0.7	1.0	1.5	
SCQ120P05241515R	V1 5	2.0	9.0	11.0	15.0	
	V2 24	-	3.0	3.0	5.0	
	V3 15	-	0.7	1.0	1.5	
	V4 -15	-	0.7	1.0	1.5	
SCQ120P05121205	V1 5	2.0	9.0	11.0	15.0	
	V2 12	-	4.5	5.0	9.0	
	V3 -12	-	0.7	1.0	1.5	
	V4 -5	-	0.7	1.0	1.5	
SCQ120P05121205R	V1 5	2.0	9.0	11.0	15.0	
	V2 12	-	4.5	5.0	9.0	
	V3 12	-	0.7	1.0	1.5	
	V4 -5	-	0.7	1.0	1.5	
SCQ120P03051212	V1 3.3	-	8.0	16.0	28.0	
	V2 5	1.0	10.0	20.0	28.0	
	V3 12	0.2	2.0	3.0	4.0	
	V4 -12	-	0.5	1.0	1.0	



Other Industrial Products	
SC40 & SC60	3" x 5" Single, Dual, and Triple output
ZWS	5 to 150W single output, universal input
VSB & VSC	10 to 150W single output, 115VAC input
NV175	175W Triple & Quad 3" x 5"

For Additional Information, please visit us.tdk-lambda.com/lp/products/sc-120.htm



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