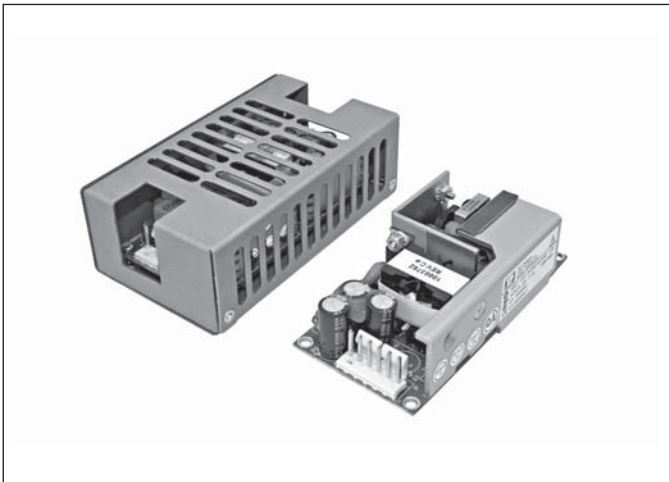


# ECM40-60 SERIES

AC/DC Single & Multi Output: 40 - 60 Watts



## Features

- Universal input: 90 - 265VAC
- Industrial and Medical safety approvals
- Industry standard 4 x 2in open frame PCB
- Optional cover kit
- Output voltage adjustment
- Short circuit and OVP protection
- Harmonic correction EN61000-3-2
- Power Factor 0.95
- EMC: EN55022
- Immunity to EN61000-4
- Class II insulation

## General Specifications

<b>Input Voltage:</b>	90 - 264VAC				
<b>Efficiency:</b>	80 - 85%				
<b>Output Voltage:</b>	Single & Multi outputs, see tables				
<b>Output Power:</b>	40 - 60 watts				
<b>Voltage Adjustment:</b>	±5% for 3.3 & 5V models ±10% for other single outputs (V1 only for multi outputs)				
<b>Line Regulation:</b>	±0.5%				
<b>Load Regulation:</b>	±1% single output models ±3% V1, ±5% V2, V3 multi output models				
<b>Output Protection:</b>	<ul style="list-style-type: none"> <li>• Current limiting with auto recovery</li> <li>• OVP protection</li> </ul>				
<b>Isolation:</b>	Input - Output 4000VAC				
<b>EMI:</b>	EN55011 and EN55022 - B				
<b>Immunity:</b>	EN61000 - 4				
<b>Safety:</b>	EN60950-1, UL60950-1, EN60601-1				
<b>Operating Temp:</b>	-10°C to +50°C at 100% load				
<b>Cooling:</b>	Convection cooled				
<b>Connector:</b>	Molex				
<b>Dimensions/Weight:</b> (L x W x H)	<table border="0"> <tr> <td>Open Frame: 102 x 51 x 31mm</td> <td>150g</td> </tr> <tr> <td>Vented Case: 114 x 64 x 39mm</td> <td>200g</td> </tr> </table>	Open Frame: 102 x 51 x 31mm	150g	Vented Case: 114 x 64 x 39mm	200g
Open Frame: 102 x 51 x 31mm	150g				
Vented Case: 114 x 64 x 39mm	200g				

## Description

The **ECM40** and **ECM60** series power supplies offer industry leading power density in a standard 4 x 2 inch package. Available in single and multi output with a total of 33 models from which to choose.

Industrial and Medical safety approvals are standard across all models, as is Harmonic Correction and EMC compliance to the latest international standards, making these units suitable for a wide range of industrial, Telecom and Medical applications.

Both models ECM40 and ECM60 are the same size, allowing great flexibility should the need arise to go up in power in future upgrades of system design.

- Also available in 100W (ECM100)

• **For more detailed information on the ECM40-60 series, visit our website.**

## Options

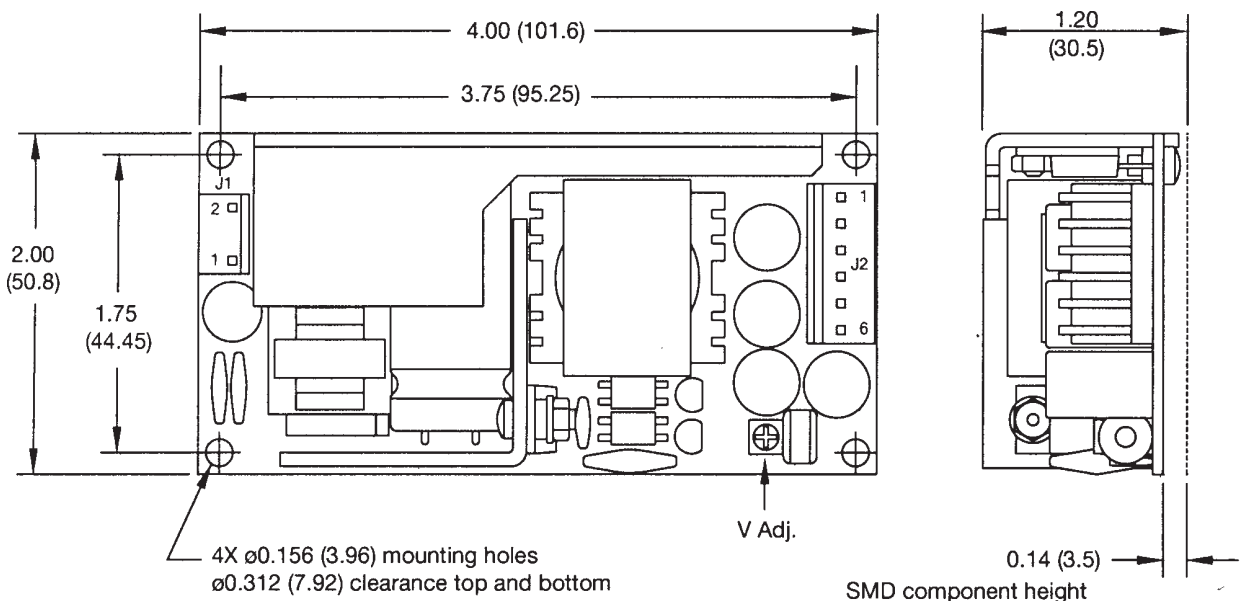
<b>Cover Kit:</b>	Optional Cover kit - P/N: ECM40-60-Cover Kit
<b>Cable Harness:</b>	Input and Output cable harness. <b>H-IN-3 and H-OU-72</b> (Singles) <b>H-IN-3 and H-OU-70</b> (Multi)
<b>Connector Kit:</b>	<b>ECM40-60-CONKIT</b>

# ECM40-60 SERIES

AC/DC Single & Multi Output: 40 - 60 Watts

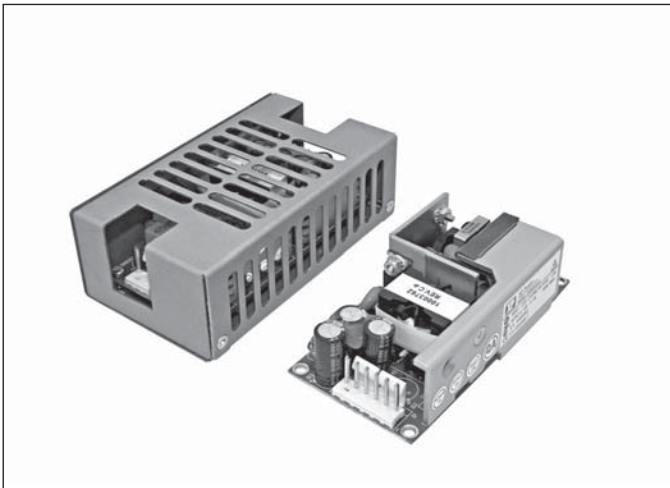
Model Number	Output 1		Output 2		Output 3		Power W
	Voltage	Current Min/Max	Voltage	Current Min/Max	Voltage	Current Min/Max	
ECM40US05	+5.0V	0.0A/8.0A					40W
ECM40US07	+7.0V	0.0A/5.7A					
ECM40US09	+9.0V	0.0A/4.4A					
ECM40US12	+12.0V	0.0A/3.5A					
ECM40US15	+15.0V	0.0A/2.7A					
ECM40US18	+18.0V	0.0A/2.2A					
ECM40US24	+24.0V	0.0A/1.7A					
ECM40US33	+33.0V	0.0A/1.2A					
ECM40US48	+48.0V	0.0A/0.9A					
ECM40UD21	+5.0V	0.5A/6.0A	+12.0V	0.1A/2.0A			
ECM40UD22	+5.0V	0.5A/6.0A	+15.0V	0.1A/1.5A			
ECM40UT31	+5.0V	0.5A/6.0A	+12.0V	0.1A/2.0A	-12.0V	0.0A/0.5A	
ECM40UT32	+5.0V	0.5A/6.0A	+24.0V	0.1A/1.0A	-12.0V	0.0A/0.5A	
ECM40UT33	+5.0V	0.5A/6.0A	+15.0V	0.1A/1.5A	-15.0V	0.0A/0.5A	
ECM40UT34	+3.3V	0.5A/6.0A	+5.0V	0.1A/1.5A	+12.0V	0.0A/0.5A	
ECM40UT35	+5.0V	0.5A/6.0A	+3.3V	0.1A/1.5A	+12.0V	0.0A/0.5A	
ECM60US05	+5.0V	0.0A/12.0A					60W
ECM60US07	+7.0V	0.0A/8.60A					
ECM60US09	+9.0V	0.0A/6.70A					
ECM60US12	+12.0V	0.0A/5.00A					
ECM60US15	+15.0V	0.0A/4.00A					
ECM60US18	+18.0V	0.0A/3.30A					
ECM60US20	+20.0V	0.0A/3.00A					
ECM60US24	+24.0V	0.0A/2.50A					
ECM60US33	+33.0V	0.0A/1.80A					
ECM60US48	+48.0V	0.0A/1.25A					
ECM60UD21	+5.0V	0.5A/8.00A	+12.0V	0.1A/3.0A			
ECM60DU22	+5.0V	0.5A/8.00A	+15.0V	0.1A/2.5A			
ECM60UT31	+5.0V	0.5A/8.00A	+12.0V	0.1A/3.0A	-12.0V	0.0A/0.5A	
ECM60UT32	+5.0V	0.5A/8.00A	+24.0V	0.1A/1.5A	-12.0V	0.0A/0.5A	
ECM60UT33	+5.0V	0.5A/8.00A	+15.0V	0.1A/2.5A	-15.0V	0.0A/0.5A	
ECM60UT34	+3.3V	0.5A/8.00A	+5.0V	0.1A/1.5A	+12.0V	0.0A/0.5A	
ECM60UT35	+5.0V	0.5A/8.00A	+3.3.0V	0.1A/1.5A		0.0A/0.5A	

## ECM40 & ECM60 (Open Frame)



# ECM 100 SERIES

AC/DC Single & Multi Output: 100 Watts



## Features

- Universal input 90 - 265VAC
- Industrial and Medical safety approvals
- Compact design: 4.5 x 2.5in. open frame PCB
- Optional Cover Kit
- Output voltage adjustment
- Short circuit and OVP protection
- Harmonic correction EN61000-3-2
- Power Factor 0.95
- EMC EN55022
- Immunity to EN61000 -4
- Class II insulation

## General Specifications

<b>Input Voltage:</b>	90 - 264VAC
<b>Efficiency:</b>	80 - 85%
<b>Output Voltage:</b>	Single & multi outputs, see tables
<b>Output Power:</b>	100 watts
<b>Voltage Adjustment:</b>	±5% for 3.3V and 5V models ±10% for other single outputs (V1 only for multi outputs)
<b>Line Regulation:</b>	±0.5%
<b>Load Regulation:</b>	±1% single output models ±3% V1 ±5% V2, V3 multi output models
<b>Output Protection:</b>	<ul style="list-style-type: none"> <li>• Current limiting with auto recovery</li> <li>• OVP protection</li> </ul>
<b>Isolation:</b>	Input - Output: 4000VAC
<b>EMI:</b>	EN55011 & EN55022-B
<b>Immunity:</b>	EN61000-4
<b>Safety:</b>	EN60950, UL60950, EN60601-1
<b>Operating Temp:</b>	-10°C to +50°C at 100% load
<b>Cooling:</b>	Convection cooled
<b>Connector:</b>	Molex
<b>Dimensions/Weight:</b>	Open Frame: 115 x 64 x 31mm 180g Vented Case: 126 x 78 x 39mm 220g

## Description

The **ECM100** is an extension to the low power ECM40 and ECM60 series power supplies and offers high power density in a 4.5 x 2.5in. open frame PCB package. Available in single and multi output with a total of 35 models from which to choose.

Industrial and Medical safety approvals are standard across all models, as is Harmonic Correction and EMC compliance to the latest industrial standards, making these units suitable for a wide range of industrial, Telecom and Medical OEM applications.

Voltage adjustment on main output is standard, allowing fine tuning of voltage settings.

- **For more detailed information on the ECM100 series, visit our website.**

## Options

**Cover Kit:** P/N: ECM100-COVER-KIT

**Cable Harness:** Input and output cable harness, 300mm length.  
**ECM100S-LOOM** (Singles)  
**ECM100DT-LOOM** (Multi)

# ECM 100 SERIES

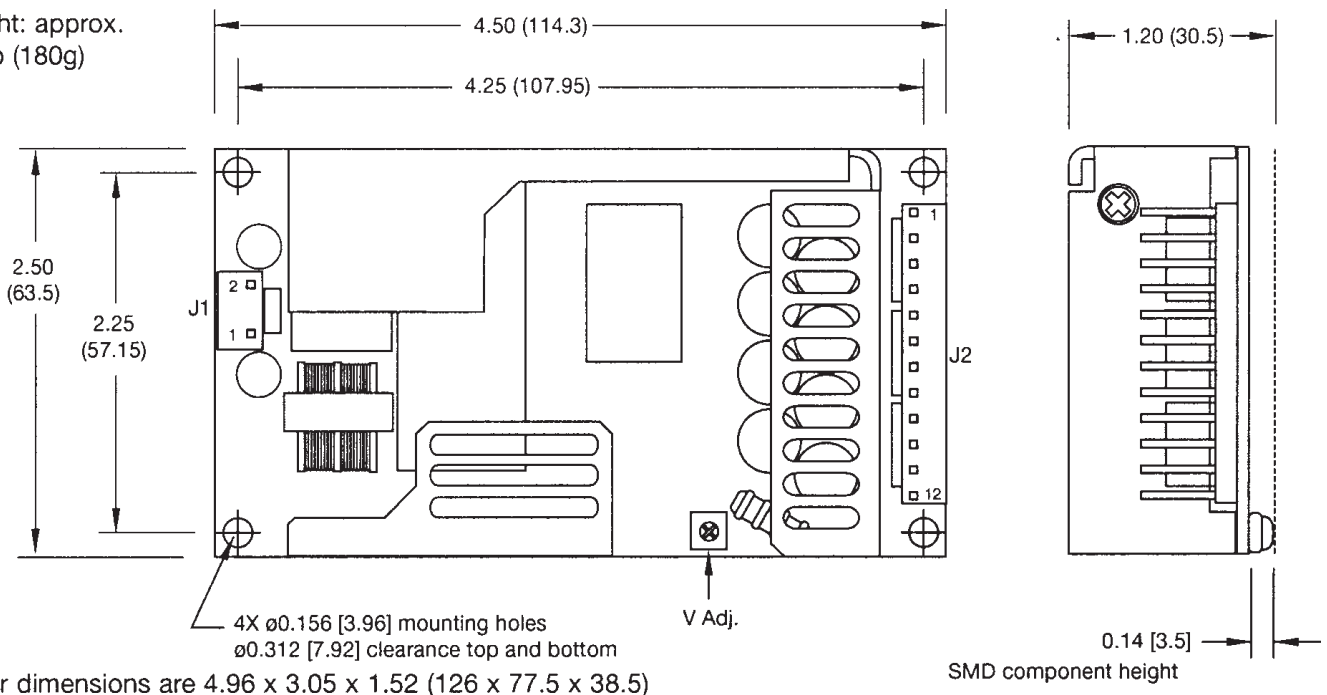
AC/DC Single & Multi Output: 100 Watts

Single Output Model	Output Voltage	Output Current			Power W
		Minimum	Maximum	With 5 CFM Cooling	
ECM100US03	+3.3V	0.0A	15.0A	20.0A	100W
ECM100US05	+5.0V	0.0A	15.0A	20.0A	100W
ECM100US07	+7.0V	0.0A	11.4A	14.3A	100W
ECM100US09	+9.0V	0.0A	8.8A	11.1A	100W
ECM100US12	+12.0V	0.0A	7.5A	8.3A	100W
ECM100US15	+15.0V	0.0A	6.0A	6.6A	100W
ECM100US18	+18.0V	0.0A	5.0A	5.5A	100W
ECM100US24	+24.0V	0.0A	4.1A	4.1A	100W
ECM100US33	+33.0V	0.0A	3.0A	3.0A	100W
ECM100US48	+48.0V	0.0A	2.1A	2.1A	100W

Multi Output Models	V1		V2		V3		V4		Output Power	
	Voltage	Current Min/Max	Voltage	Current Min/Max	Voltage	Current Min/Max	Voltage	Current Min/Max	Convection Cooled	Forced Air 5 CFM
ECM100UD21	+5.0V	0.0A/12.0A	+12.0V	0.0A/3.0A					80W	100W
ECM100UD22	+5.0V	0.0A/12.0A	+15.0V	0.0A/3.0A					80W	100W
ECM100UT31	+5.0V	0.5A/10.0A	+12.0V	0.0A/3.0A	-12.0V	0.0A/0.8A			75W	100W
ECM100UT32	+5.0V	0.5A/10.0A	+24.0V	0.0A/2.0A	-12.0V	0.0A/0.8A			80W	100W
ECM100UT33	+5.0V	0.5A/10.0A	+15.0V	0.0A/3.0A	-15.0V	0.0A/0.8A			80W	100W
ECM100UT34	+3.3V	0.5A/10.0A	+5.0V	0.0A/5.0A	+12.0V	0.0A/0.8A			65W	100W
ECM100UT35	+5.0V	0.5A/10.0A	+3.3V	0.0A/5.0A	+12.0V	0.0A/0.8A			70W	100W
ECM100UT36	+5.0V	0.5A/10.0A	+12.0V	0.0A/3.0A	-5.0V	0.0A/0.8A			80W	100W
ECM100UT37	+5.0V	0.5A/10.0A	+15.0V	0.0A/3.0A	-5.0V	0.0A/0.8A			70W	100W
ECM100UQ41	+5.0V	0.5A/10.0A	+3.3V	0.1A/5.0A	+12.0V	0.0A/0.8A	-12.0V	0.0A/0.5A	65W	100W
ECM100UQ42	+3.3V	0.5A/10.0A	+5.0V	0.1A/5.0A	+12.0V	0.0A/0.8A	-12.0V	0.0A/0.5A	60W	100W
ECM100UQ43	+5.0V	0.5A/10.0A	+24.0V	0.1A/2.0A	+12.0V	0.0A/0.8A	-12.0V	0.0A/0.5A	80W	100W
ECM100UQ44	+5.0V	0.5A/10.0A	+24.0V	0.1A/2.0A	+15.0V	0.0A/0.8A	-15.0V	0.0A/0.5A	80W	100W
ECM100UQ45	+5.0V	0.5A/10.0A	+12.0V	0.1A/3.0A	-12.0V	0.0A/0.8A	-5.0V	0.0A/0.5A	80W	100W
ECM100UQ46	+5.0V	0.5A/10.0A	+15.0V	0.1A/3.0A	-15.0V	0.0A/0.8A	-5.0V	0.0A/0.5A	80W	100W

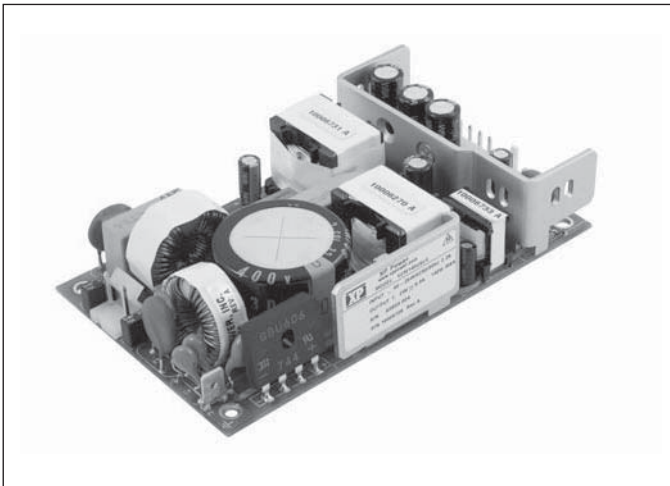
## ECM100

Weight: approx.  
0.4 lb (180g)



# ECM140 SERIES

AC/DC Single Output: 120 - 148 Watts



## Features

- Universal input 90 - 264VAC
- High efficiency, resonant topology
- 120/148W - convection/fan cooled ratings
- 12V fan output, remote sense as standard
- 5V standby option
- Industrial and medical safety approvals
- Industry standard 3" x 5" footprint
- Output voltage adjustment
- Short circuit and OVP protection
- Harmonic correction: EN61000-3-2
- Power Factor: 0.95
- EMC EN55022. Immunity to EN61000-4

## General Specifications

<b>Input Voltage:</b>	90 - 264VAC
<b>Efficiency:</b>	85 - 88%
<b>Output Voltage:</b>	12 - 48VDC (Fan Output 12V)
<b>Output Power:</b>	120/148 watts (Convection/Fan Cooled)
<b>Voltage Adjustment:</b>	±5%
<b>Load Regulation:</b>	±1% V1, ±5% V2, ±3% V3
<b>Output Protection:</b>	Current limiting with auto recovery OVP protection
<b>Isolation</b>	Input - Output: 4000VAC
<b>EMI:</b>	EN55011 & EN55022-B
<b>Immunity:</b>	EN61000-4
<b>Safety:</b>	EN60950-1, UL60950-1, EN60601-1
<b>Operating Temp:</b>	0°C to 50°C derate linearly to 50% load at 70°C
<b>Cooling:</b>	Convection cooled 120W Fan cooled 148W @ 10CFM air flow
<b>Connector:</b>	JST connector
<b>Dimensions &amp; Weight:</b>	127 x 76.2 x 32mm 250g Cover option: 127 x 78 x 30mm 400g

## Description

The **ECM140** series power supplies offer industry leading power density in a standard 5 x 3 inch open frame package. Output power is increased to 148 watts with fan cooling via the standard 12V fan supply on V2. Industrial and Medical safety approvals are standard across all models, as is Harmonic Correction, and EMC compliance to the latest international standards, making these units suitable for a wide range of industrial, Telecom, Medical and other OEM applications. Voltage adjustment on the main output is standard, allowing fine tuning of voltage settings. A range of options further enhances the ECM140 series to meet the demands of leading edge OEM products.

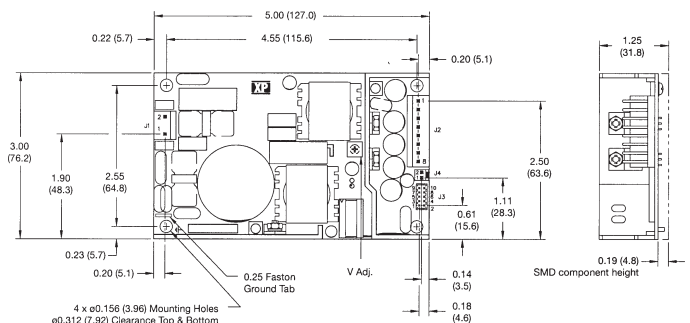
• For more detailed information on ECM140 series, visit our website.

## Options

- Cover Kit:** Optional Cover: **P/N: ECM140-COVER KIT**
- Remote ON/OFF:** Add suffix "A" to model
- Power OK/Inhibit:** Add suffix "A" to model
- V3 5V Standby:** Add suffix "A" to model

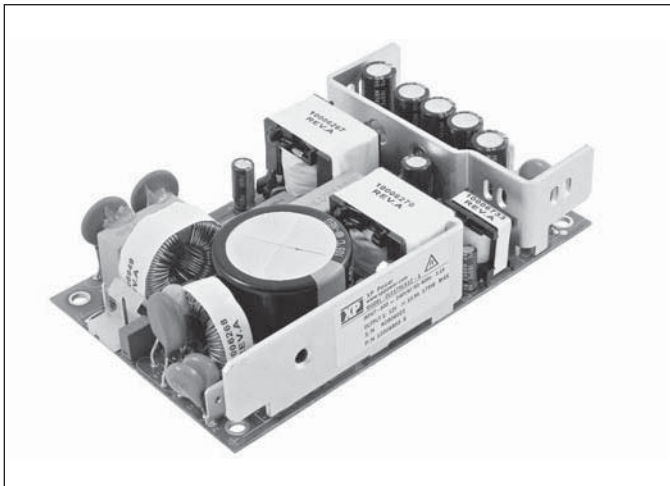
Model	Output		Fan Output		Standby		Power W
	V	A	V2		V3		
ECM140US12	12V	10A	12V	0.5A	5V	0.5A	120W
ECM140US15	15V	8A	12V	0.5A	5V	0.5A	
ECM140US18	18V	6.6A	12V	0.5A	5V	0.5A	
ECM140US24	24V	5.0A	12V	0.5A	5V	0.5A	
ECM140US48	48V	2.5A	12V	0.5A	5V	0.5A	
Fan Cooled Rating with 10CFM Air Flow							
ECM140US12	12V	11.7A	12V	0.5A	5V	0.5A	148W
ECM140US15	15V	9.3A	12V	0.5A	5V	0.5A	
ECM140US18	18V	7.7A	12V	0.5A	5V	0.5A	
ECM140US24	24V	5.8A	12V	0.5A	5V	0.5A	
ECM140US48	48V	2.9A	12V	0.5A	5V	0.5A	

• Combined output power from V1 - V3, must not exceed 120/148 watts



# CLC175 SERIES

AC/DC Single Output: 175 Watts



## Features

- Universal input 90 - 264VAC
- High efficiency, resonant topology
- 175W fan cooled rating
- 12V fan output, remote sense as standard
- 5V standby option
- Industrial safety approvals
- Industry standard 3" x 5" footprint
- Output voltage adjustment
- Short circuit and OVP protection
- Harmonic correction: EN61000-3-2
- Power Factor: 0.95
- EMC EN55022. Immunity to EN61000-4

## General Specifications

<b>Input Voltage:</b>	90 - 264VAC
<b>Efficiency:</b>	85 - 88%
<b>Output Voltage:</b>	12 - 48VDC (Fan Output 12V)
<b>Output Power:</b>	175 watts with 10CFM air flow
<b>Voltage Adjustment:</b>	±5%
<b>Load Regulation:</b>	±1% V1, ±5% V2, ±3% V3
<b>Output Protection:</b>	Current limiting with auto recovery OVP protection
<b>Isolation</b>	Input - Output: 3000VAC
<b>EMI:</b>	EN55011 & EN55022-B
<b>Immunity:</b>	EN61000-4
<b>Safety:</b>	EN60950-1, UL60950-1
<b>Operating Temp:</b>	0°C to 50°C derate linearly to 50% load at 70°C
<b>Cooling:</b>	Fan cooled @ 10CFM air flow
<b>Connector:</b>	JST connector
<b>Dimensions &amp; Weight:</b>	127 x 76.2 x 32mm 250g

## Description

The **CLC175** series power supplies offer industry leading power density in a standard 5 x 3 inch open frame package.

Output power is increased to 175 watts with fan cooling via the standard 12V fan supply on V2.

Industrial safety approvals are standard across all models, as is Harmonic Correction, and EMC compliance to the latest international standards, making these units suitable for a wide range of industrial, Telecom, and other OEM applications.

Voltage adjustment on the main output is standard, allowing fine tuning of voltage settings.

A range of options further enhances the CLC175 series to meet the demands of leading edge OEM products.

- For more detailed information on CLC175 series, visit our website.

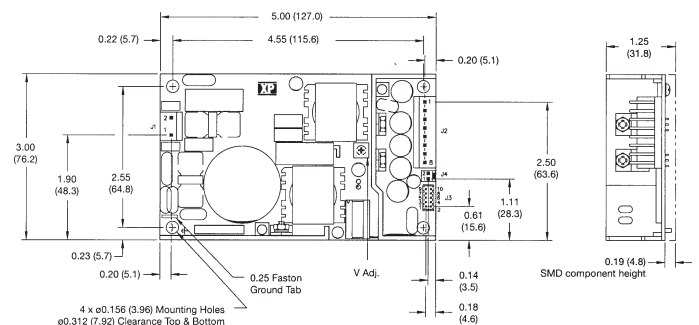
## Options

**Remote ON/OFF:** Add suffix "A" to model

**Power OK/Inhibit:** Add suffix "A" to model

**V3 5V Standby:** Add suffix "A" to model

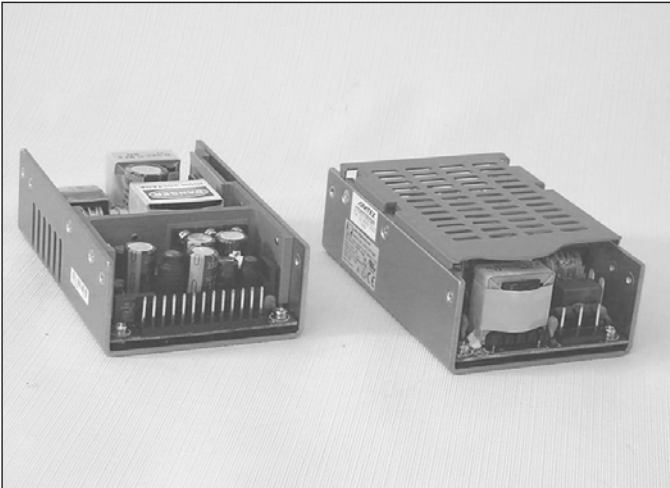
Model	Output V A	Fan Output V2	Standby V3	Power W
CLC175US12	12V 13.9A	12V 0.5A	5V 0.5A	175W
CLC175US24	24V 6.9A	12V 0.5A	5V 0.5A	
CLC175US48	48V 3.5A	12V 0.5A	5V 0.5A	



• Combined output power from V1 - V3, must not exceed 175 watts

# SDS 120 SERIES

AC/DC Single & Multi Output: 120 Watts



## Features

- Universal input 90 - 265VAC
- International safety approvals
- Industry standard 3" x 5" footprint U Channel
- Optional Cover
- Output voltage adjustment
- Short circuit and OVP protection
- Harmonic correction EN61000-3-2
- Power factor 0.95
- EMC EN55022-B
- Immunity to EN61000-4
- Single and Multi output models

## General Specifications

<b>Input Voltage:</b>	90 - 264VAC
<b>Efficiency:</b>	80 - 85%
<b>Output Voltage:</b>	Single and Multi outputs, see tables
<b>Output Power:</b>	120 watts
<b>Voltage Adjustment:</b>	±5% (V1 only for multi outputs)
<b>Line Regulation:</b>	±1%
<b>Load Regulation:</b>	±5%
<b>Output Protection:</b>	Current limiting with auto recovery OVP Protection
<b>Isolation:</b>	Input - Output 3000VAC
<b>EMI:</b>	EN55011 & EN55022-B
<b>Immunity:</b>	EN61000-4
<b>Safety:</b>	EN60950, UL60950
<b>Operating Temp:</b>	0°C to +50°C derate linearly to 50% load at 70°C
<b>Cooling:</b>	Convection cooled
<b>Connector:</b>	Molex
<b>Dimensions &amp; Weight:</b>	U Channel: 127 x 82 x 40mm 350g-450g Cover option: 127 x 82 x 44mm

## Description

The **SDS120** series power supplies offer industry leading power density in a standard 5 x 3 inch U Channel package.

There are 39 models to choose from, available in single and multi output.

Industrial safety approvals are standard across all models, as is Harmonic Correction and EMC compliance to latest international standards, making these units suitable for a wide range of industrial, Telecom and other OEM applications.

Voltage adjustment on main output is standard, allowing fine tuning of voltage settings.

The sturdy U Channel design allows for easy mounting, as well as a way of heat dissipation via the baseplate for high temperature applications.

**For more detailed information on the SDS120 series, visit our website**

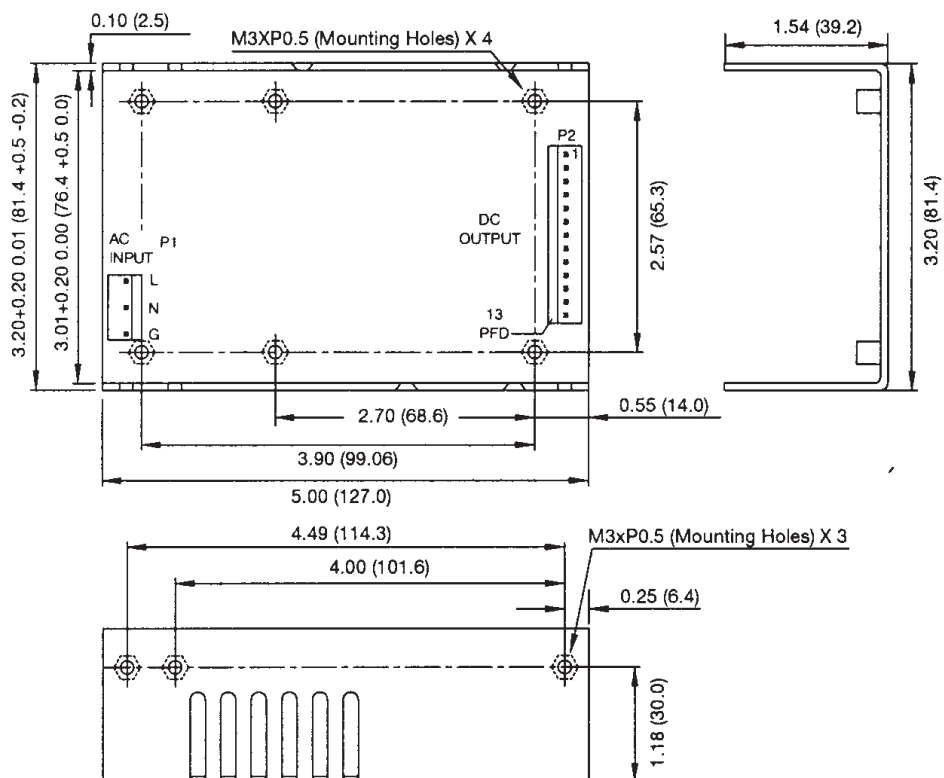
## Options

<b>Cover Kit:</b>	Optional Cover <b>P/N: SDS120-Cover</b>
<b>Power Fail:</b>	Power Fail Detect, add 'P' to model.
<b>Low Temperature:</b>	-40°C operation, add 'L' to model.
<b>SDS150</b>	Single output 150 watt models.

# SDS120 SERIES

## AC/DC Single & Multi Output: 120 Watts

Model Number	Output 1				Output 2				Output 3				Max. Power
	Vnom	I min	I max	Tol	Vnom	I min	I max	Tol	Vnom	I min	I max	Tol	
SDS120PS03B	3.3V	0.00A	22.00A	5%									72.0W
SDS120PS05B	5.0V	0.00A	22.00A	5%									110.0W
SDS120PS07B	7.0V	0.00A	16.42A	5%									115.0W
SDS120PS09B	9.0V	0.00A	13.33A	4%									120.0W
SDS120PS12B	12.0V	0.00A	10.00A	3%									120.0W
SDS120PS15B	15.0V	0.00A	8.00A	3%									120.0W
SDS120PS18B	18.0V	0.00A	6.66A	3%									120.0W
SDS120PS24B	24.0V	0.00A	5.00A	2%									120.0W
SDS120PS28B	28.0V	0.00A	4.28A	2%									120.0W
SDS120PS36B	36.0V	0.00A	3.33A	2%									120.0W
SDS120PS48B	48.0V	0.00A	2.50A	2%									120.0W
SDS120PD01B	3.3V	1.50A	15.00A	5%	12.0V	0.20A	6.0A	5%					120.0W
SDS120PD02B	5.0V	1.50A	15.00A	5%	12.0V	0.20A	6.0A	5%					120.0W
SDS120PD03B	5.0V	1.50A	15.00A	5%	15.0V	0.20A	6.0A	5%					120.0W
SDS120PD04B	5.0V	1.50A	15.00A	5%	24.0V	0.10A	3.5A	5%					120.0W
SDS120PD00B	3.3V	1.50A	15.00A	5%	5.0V	0.40A	6.0A	5%					79.5W
SDS120PD05B	5.0V	1.50A	15.00A	5%	-24.0V	0.20A	2.0A	5%					120.0W
SDS120PD06B	28.0V	0.39A	3.92A	5%	5.0V	0.20A	2.0A	5%					120.0W
SDS120PT00B	3.3V	1.50A	15.00A	5%	5.0V	0.60A	6.0A	5%	12.0V	0.00A	1.0A	5%	91.5W
SDS120PT01B	3.3V	1.50A	15.00A	5%	5.0V	0.60A	6.0A	5%	-12.0V	0.00A	1.0A	5%	91.5W
SDS120PT02B	3.3V	1.50A	15.00A	5%	12.0V	0.60A	6.0A	5%	5.0V	0.00A	0.8A	5%	120.0W
SDS120PT03B	3.3V	1.50A	15.00A	5%	12.0V	0.60A	6.0A	5%	-5.0V	0.00A	0.8A	5%	120.0W
SDS120PT04B	3.3V	1.50A	15.00A	5%	12.0V	0.60A	6.0A	5%	-12.0V	0.00A	0.8A	5%	120.0W
SDS120PT05B	3.3V	1.50A	15.00A	5%	12.0V	0.60A	6.0A	5%	12.0V	0.00A	0.8A	5%	120.0W
SDS120PT06B	5.0V	1.50A	15.00A	5%	12.0V	0.60A	6.0A	5%	5.0V	0.00A	0.8A	5%	120.0W
SDS120PT07B	5.0V	1.50A	15.00A	5%	12.0V	0.60A	6.0A	5%	-5.0V	0.00A	0.8A	5%	120.0W
SDS120PT08B	5.0V	1.50A	15.00A	5%	12.0V	0.60A	6.0A	5%	-12.0V	0.00A	0.8A	5%	120.0W
SDS120PT09B	5.0V	1.50A	15.00A	5%	12.0V	0.60A	6.0A	5%	12.0V	0.00A	0.8A	5%	120.0W
SDS120PT10B	5.0V	1.50A	15.00A	5%	15.0V	0.60A	6.0A	5%	-15.0V	0.00A	0.8A	5%	120.0W
SDS120PT11B	5.0V	1.50A	15.00A	5%	15.0V	0.60A	6.0A	5%	15.0V	0.00A	0.8A	5%	120.0W
SDS120PT12B	5.0V	1.50A	15.00A	5%	24.0V	0.35A	3.5A	5%	-24.0V	0.00A	0.8A	5%	120.0W
SDS120PT13B	5.0V	1.50A	15.00A	5%	24.0V	0.35A	3.5A	5%	24.0V	0.00A	0.8A	5%	120.0W
SDS120PT14B	5.0V	1.50A	15.00A	5%	24.0V	0.35A	3.5A	5%	-12.0V	0.00A	0.8A	5%	120.0W
SDS120PT15B	5.0V	1.50A	15.00A	5%	24.0V	0.35A	3.5A	5%	12.0V	0.00A	0.8A	5%	120.0W
SDS120PT16B	5.0V	1.50A	15.00A	5%	10.0V	0.60A	6.0A	5%	-10.0V	0.00A	1.0A	5%	120.0W
SDS120PT17B	5.0V	1.50A	15.00A	5%	10.0V	0.60A	6.0A	5%	10.0V	0.00A	1.0A	5%	120.0W



# SDC320 SERIES

AC/DC Single & Dual Output: 320 Watts



## Features

- Universal input 90 - 265VAC
- International safety approvals
- High peak power, up to 700 watts
- Low profile 41mm for 1U applications
- Output voltage adjustment
- Short circuit and OVP protection
- Harmonic correction EN61000-3-2
- Power factor 0.95
- EMC EN55022 Level B
- Immunity to EN61000-4
- Single and Dual outputs

## General Specifications

<b>Input Voltage:</b>	90 - 132 / 180 - 264VAC auto ranging
<b>Efficiency:</b>	80 - 85%
<b>Output Voltage:</b>	Single and Dual outputs, see tables
<b>Output Power:</b>	180 watts convection, 320 watts Fan Cooled
<b>Voltage Adjustment:</b>	±5% on single outputs (V1 only for dual outputs)
<b>Minimum Load:</b>	±1% for single output models ±10% on dual output models
<b>Line Regulation:</b>	±0.5%
<b>Load Regulation:</b>	±0.5%
<b>Output Protection:</b>	Current limiting with auto recovery OVP Protection
<b>Isolation:</b>	Input - Output 3000VAC
<b>EMI:</b>	EN55011 & EN55022-B
<b>Immunity:</b>	EN61000-4
<b>Safety:</b>	EN60950, UL60950
<b>Operating Temp:</b>	0°C to +50°C at 100% load, derate 2.5% per °C from 50°C to +70°C
<b>Cooling:</b>	Convection cooled/Fan cooled options
<b>Signals:</b>	Power Good Signal
<b>Connector:</b>	Screw terminals
<b>Dimensions &amp; Weight:</b>	Vented Case: 178 x 102 x 41mm 220g (L x W x H)

## Description

The **SDC320** series power supply is a very compact, low profile unit that is designed for applications where power density is a key application requirement.

Available in single output from 5 - 60VDC and, four dual output models all able to provide up to 700 watts peak output power.

International safety approvals are standard across all models, as is Harmonic Correction and EMC compliance to latest international standards, making these units suitable for a wide range of industrial and Telecom applications.

Although the models shown are with end-mounted fans, units are available with a wide range of cooling and mechanical options.

**For more detailed information on the SDC320 series, visit our website**

## Options

<b>Top Mounted Fan:</b>	Replace 'E' with 'F' for unit to be supplied with Top Mounted Fan assembly.
<b>Molex Connector:</b>	For OEM applications, units can be supplied with Molex connector in place of screw terminals.

# SDC320 SERIES

AC/DC Single & Dual Output: 320 Watts

Model Number (2)	Output 1				Output 2				Output Power	
	Voltage	Current			Voltage	Current			Forced Air Cooled	Convection Cooled
		Forced Air	Convection	Peak (1)		Forced Air	Convection	Peak (1)		
SDC320AS05E	5V	45.00A	27.28A	140.00A					225W	136W
SDC320AS09E	9V	29.10A	16.37A	77.79A					260W	147W
SDC320AS12E	12V	26.67A	15.00A	58.33A					320W	180W
SDC320AS15E	15V	21.33A	12.00A	46.77A					320W	180W
SDC320AS18E	18V	17.78A	10.00A	38.89A					320W	180W
SDC320AS24E	24V	13.33A	7.50A	29.17A					320W	180W
SDC320AS28E	28V	11.43A	6.43A	25.00A					320W	180W
SDC320AS36E	36V	8.88A	5.00A	19.44A					320W	180W
SDC320AS48E	48V	6.67A	3.75A	14.58A					320W	180W
SDC320AS54E	54V	5.93A	3.33A	12.96A					320W	180W
SDC320AS60E	60V	5.33A	3.00A	11.61A					320W	180W
SDC320AD0512E	5V	30.00A	15.00A	32.00A	12.V	16.67A	10.42A	20.00A	250W	150W
SDC320AD0524E	5V	30.00A	15.00A	32.00A	24V	8.33A	5.20A	10.00A	250W	150W
SDC320AD0548E	5V	30.00A	15.00A	32.00A	48V	4.16A	2.60A	5.00A	250W	150W
SDC320AD1224E	12V	16.67A	12.50A	20.00A	24V	8.33A	6.25A	10.00A	300W	150W

1. Peak load can be taken for 500µs. Average power not to exceed nominal power.
2. Replace 'E' in model number with 'F' for top fan cover assembly

## Enclosed with End Fan ('-E' Option)

