



Safety , Efficient & Earth friendly

# Open Frame Switching Power Supply 45W Dual Output Series

## UOP Series



### Product Highlights:

- ✓ Stability
- ✓ Compact size
- ✓ Flexibility
- ✓ Energy efficiency
- ✓ Suit computer device, small house hold equipment

### Protection:

- ✓ Short circuit protection
- ✓ Over Voltage Protection
- ✓ Over Current Protection

### Efficiency:

- ✓ CEC Leve 5
- ✓ Energy Star 2.0

### Safety Approvals:

- ✓ UL60950
- ✓ CAN/CSA C22.2 NO. 60950
- ✓ CE (Low Voltage Directive)

### Emissions:

- ✓ CE CISPR 22 Class B
- ✓ VCCI Class B

### Immunity:

- ✓ EN55024/A1:2001
- ✓ Electrostatic discharge: 61000-4-2
- ✓ Radiated electromagnetic fields:61000-4-3
- ✓ Fast transients (Burst): 61000-4-4
- ✓ Surge transients: 61000-4-5
- ✓ Conducted disturbance: 61000-4-6
- ✓ Voltage dips, interruptions & Variations:61000-4-11

### Electrical Spec:

Absolute Maximum Rating

Input					
Description	Min	Typ	Max	Units	Comment
Voltage	90	120/240	264	VAC	2 Wire No Protection Ground
Frequency	47	50/60	63	Hz	

Environmental					
Description	Min	Typ	Max	Units	Comment
Operating Temperature	0	-	40	°C	Free Convection,Sea level
Non-Operating Temperture	-20	-	85	°C	Free Convection,Sea level
Operating Humidity	10	-	90	%RH	No Condensing
Non-Operating Humidity	10	-	90	%RH	No Condensing

Typical model list:

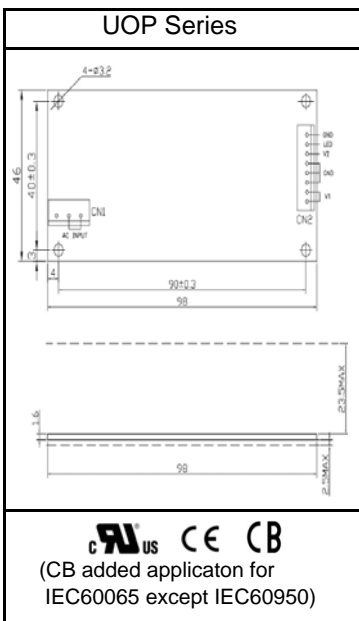
## Open Frame Switching Power Supply 45W Dual Output Series

Input Condition		DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple & Noises	Regulation		Option/Remark
						Line	Load	
1		5V	2.5A	±5%	50mV	±1%	±5%	
		12V	2.5A	±5%	120mV	±1%	±5%	
2		5V	3.0A	±5%	50mV	±1%	±5%	
		12V	2.0A	±5%	120mV	±1%	±5%	
3		5V	2.0A	±5%	50mV	±1%	±5%	
		12V	3.0A	±5%	120mV	±1%	±5%	
4		5V	2.3A	±5%	50mV	±1%	±5%	
		12V	3.0A	±5%	120mV	±1%	±5%	
5		-	-	-	-	-	-	-

Measurement condition

1. Measurements shall be made with an oscilloscope with 20MHz bandwidth.
2. Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF electrolytic capacitor to simulate system loading.

Mechanical Spec:



Packing Spec:

Type	Pcsper Carton	Gross Weight (kg)	Net Weihgt(kg)	Size(mm)	CBM(m2)	Container	Ctn/Contai ner	Pcs/Contai ner	Gross Weingt (Ton)	Remark
UOP345D	64	8.54	7.04	406x250x298	1x1.2	20	800	51200	7072	Bulk package

## UOA Series

### Product Highlights:

- ✓ Stability
- ✓ Compact size
- ✓ Flexibility
- ✓ Energy efficiency
- ✓ Suit computer device, small house hold equipment

### Protection:

- ✓ Short circuit protection
- ✓ Over Voltage Protection
- ✓ Over Current Protection

### Efficiency:

- ✓ CEC Leve 5
- ✓ Energy Star 2.0



### Safety Approvals:

- ✓ UL60950
- ✓ CAN/CSA C22.2 NO. 60950
- ✓ CE (Low Voltage Directive)

### Emissions:

- ✓ CE CISPR 22 Class B
- ✓ VCCI Class B

### Immunity:

- ✓ EN55024/A1:2001
- ✓ Electrostatic discharge: 61000-4-2
- ✓ Radiated electromagnetic fields:61000-4-3
- ✓ Fast transients (Burst): 61000-4-4
- ✓ Surge transients: 61000-4-5
- ✓ Conducted disturbance: 61000-4-6
- ✓ Voltage dips, interruptions & Variations:61000-4-11

### Electrical Spec:

Absolute Maximum Rating

Input					
Description	Min	Typ	Max	Units	Comment
Voltage	90	120/240	264	VAC	2 Wire No Protection Ground
Frequency	47	50/60	63	Hz	

Environmental					
Description	Min	Typ	Max	Units	Comment
Operating Temperature	0	-	40	°C	Free Convection,Sea level
Non-Operating Temperture	-20	-	85	°C	Free Convection,Sea level
Operating Humidity	10	-	90	%RH	No Condensing
Non-Operating Humidity	10	-	90	%RH	No Condensing

Typical model list:

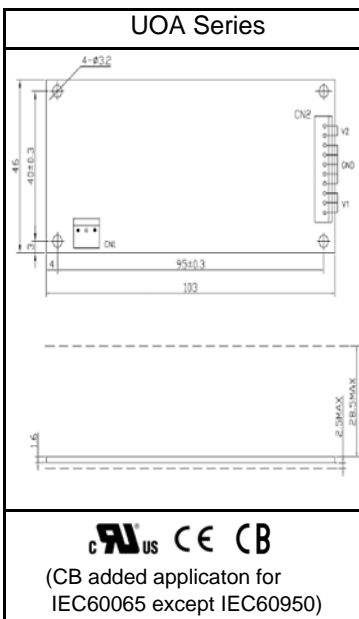
## Open Frame Switching Power Supply 45W Dual Output Series

Input Condition		DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple & Noises	Regulation		Option/Remark
						Line	Load	
1		5V	2.5A	±5%	50mV	±1%	±5%	
		12V	2.5A	±5%	120mV	±1%	±5%	
2		5V	3.0A	±5%	50mV	±1%	±5%	
		12V	2.0A	±5%	120mV	±1%	±5%	
3		5V	2.0A	±5%	50mV	±1%	±5%	
		12V	3.0A	±5%	120mV	±1%	±5%	
4		5V	2.3A	±5%	50mV	±1%	±5%	
		12V	3.0A	±5%	120mV	±1%	±5%	
5		-	-	-	-	-	-	-

Measurement condition

1. Measurements shall be made with an oscilloscope with 20MHz bandwidth.
2. Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF electrolytic capacitor to simulate system loading.

Mechanical Spec:



Packing Spec:

Type	Pcsper Carton	Gross Weight (kg)	Net Weihgt(kg)	Size(mm)	CBM(m2)	Container	Ctn/Contai ner	Pcs/Contai ner	Gross Weingt (Ton)	Remark
UOA345D	96	16.92	13.92	565×393×255	1×1.2	20	400	38400	7008	Bulk package

# Open Frame Switching Power Supply 45W Dual Output Series

## UOB Series



### Product Highlights:

- ✓ Stability
- ✓ Compact size
- ✓ Flexibility
- ✓ Energy efficiency
- ✓ Suit computer device, small house hold equipment

### Protection:

- ✓ Short circuit protection
- ✓ Over Voltage Protection
- ✓ Over Current Protection

### Efficiency:

- ✓ CEC Leve 5
- ✓ Energy Star 2.0

### Safety Approvals:

- ✓ UL60950
- ✓ CAN/CSA C22.2 NO. 60950
- ✓ CE (Low Voltage Directive)

### Emissions:

- ✓ CE CISPR 22 Class B
- ✓ VCCI Class B

### Immunity:

- ✓ EN55024/A1:2001
- ✓ Electrostatic discharge: 61000-4-2
- ✓ Radiated electromagnetic fields:61000-4-3
- ✓ Fast transients (Burst): 61000-4-4
- ✓ Surge transients: 61000-4-5
- ✓ Conducted disturbance: 61000-4-6
- ✓ Voltage dips, interruptions & Variations:61000-4-11

### Electrical Spec:

Absolute Maximum Rating

Input					
Description	Min	Typ	Max	Units	Comment
Voltage	90	120/240	264	VAC	2 Wire No Protection Ground
Frequency	47	50/60	63	Hz	

Environmental					
Description	Min	Typ	Max	Units	Comment
Operating Temperature	0	-	40	°C	Free Convection,Sea level
Non-Operating Temperture	-20	-	85	°C	Free Convection,Sea level
Operating Humidity	10	-	90	%RH	No Condensing
Non-Operating Humidity	10	-	90	%RH	No Condensing

Typical model list:

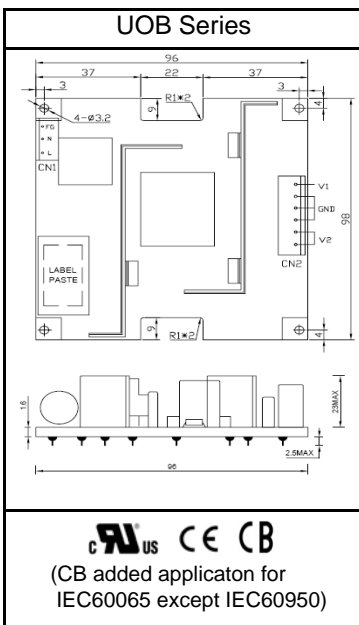
## Open Frame Switching Power Supply 45W Dual Output Series

Input Condition		DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple & Noises	Regulation		Option/Remark
						Line	Load	
1		5V	2.5A	±5%	50mV	±1%	±5%	
		12V	2.5A	±5%	120mV	±1%	±5%	
2		5V	3.0A	±5%	50mV	±1%	±5%	
		12V	2.0A	±5%	120mV	±1%	±5%	
3		5V	2.0A	±5%	50mV	±1%	±5%	
		12V	3.0A	±5%	120mV	±1%	±5%	
4		5V	2.3A	±5%	50mV	±1%	±5%	
		12V	3.0A	±5%	120mV	±1%	±5%	
5		-	-	-	-	-	-	-

Measurement condition

1. Measurements shall be made with an oscilloscope with 20MHz bandwidth.
2. Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF electrolytic capacitor to simulate system loading.

Mechanical Spec:



Packing Spec:

Type	Pcsper Carton	Gross Weight (kg)	Net Weihgt(kg)	Size(mm)	CBM(m2)	Container	Ctn/Contai ner	Pcs/Contai ner	Gross Weingt (Ton)	Remark
UOB345D	90	16.5	13.5	565x393x255	1x1.2	20	400	36000	6840	Bulk package

# Open Frame Switching Power Supply 45W Dual Output Series

## UOC Series



### Product Highlights:

- ✓ Stability
- ✓ Compact size
- ✓ Flexibility
- ✓ Energy efficiency
- ✓ Suit computer device, small house hold equipment

### Protection:

- ✓ Short circuit protection
- ✓ Over Voltage Protection
- ✓ Over Current Protection

### Efficiency:

- ✓ CEC Leve 5
- ✓ Energy Star 2.0

### Safety Approvals:

- ✓ UL60950
- ✓ CAN/CSA C22.2 NO. 60950
- ✓ CE (Low Voltage Directive)

### Emissions:

- ✓ CE CISPR 22 Class B
- ✓ VCCI Class B

### Immunity:

- ✓ EN55024/A1:2001
- ✓ Electrostatic discharge: 61000-4-2
- ✓ Radiated electromagnetic fields:61000-4-3
- ✓ Fast transients (Burst): 61000-4-4
- ✓ Surge transients: 61000-4-5
- ✓ Conducted disturbance: 61000-4-6
- ✓ Voltage dips, interruptions & Variations:61000-4-11

### Electrical Spec:

Absolute Maximum Rating

Input					
Description	Min	Typ	Max	Units	Comment
Voltage	90	120/240	264	VAC	2 Wire No Protection Ground
Frequency	47	50/60	63	Hz	

Environmental					
Description	Min	Typ	Max	Units	Comment
Operating Temperature	0	-	40	°C	Free Convection,Sea level
Non-Operating Temperture	-20	-	85	°C	Free Convection,Sea level
Operating Humidity	10	-	90	%RH	No Condensing
Non-Operating Humidity	10	-	90	%RH	No Condensing

Typical model list:

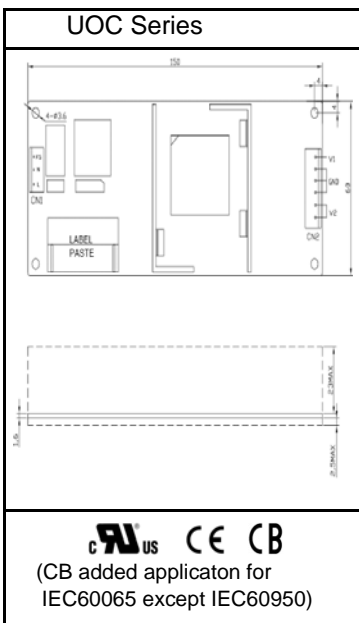
## Open Frame Switching Power Supply 45W Dual Output Series

Input Condition		DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple & Noises	Regulation		Option/Remark
						Line	Load	
1		5V	2.5A	±5%	50mV	±1%	±5%	
		12V	2.5A	±5%	120mV	±1%	±5%	
2		5V	3.0A	±5%	50mV	±1%	±5%	
		12V	2.0A	±5%	120mV	±1%	±5%	
3		5V	2.0A	±5%	50mV	±1%	±5%	
		12V	3.0A	±5%	120mV	±1%	±5%	
4		5V	2.3A	±5%	50mV	±1%	±5%	
		12V	3.0A	±5%	120mV	±1%	±5%	
5		-	-	-	-	-	-	-

Measurement condition

1. Measurements shall be made with an oscilloscope with 20MHz bandwidth.
2. Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF electrolytic capacitor to simulate system loading.

Mechanical Spec:



Packing Spec:

Type	Pcsper Carton	Gross Weight (kg)	Net Weihgt(kg)	Size(mm)	CBM(m2)	Container	Ctn/Contai ner	Pcs/Contai ner	Gross Weingt (Ton)	Remark
UOC345D	72	13.5	10.5	565x393x255	1x1.2	20	400	28800	5640	Bulk package