



Features

- Din Rail / Screw Mounting Dual Purpose
- No-load Consumption is lower than 0.3W
- Comply with High Efficiency Power 80 Plus Criterion
- Comply with 2010 Energy Conservation Power ErP Regulation
- Convection Cooled, High
- 100% burn-in test
- 1 year Warranty



DIMENSIONS : 102(H) x 35(D) x 45(W)mm
WEIGHTS: 117g

General specifications

INPUT

Input range	90~264V AC 127~380VDC
Input frequency	47~63Hz
Inrush current (25°C)	80A/220VAC

OUTPUT

Hold-up time	13mS
Short protection	Autorecovery
Over load protection	Automatic power limited

Detail specifications

25 Watts

MODEL	O/P Volt Adj. $\pm$ %	Load (Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O. V. P.
		Min.	Rated	Max.					
MSLP1025D-24S	V1: +24V $\pm$ 10%	0A	4A	5A	240mVp-p	$\pm$ 1%	$\pm$ 1%	88% Ref.	31.4 ~ 34.7V

EMC Standards

EN 55032, EN 55024
EN 61000-3-3, (EN 61000-4-2,
EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6,
EN 61000-4-8, EN 61000-4-11)
LVD: EN 62368-1:2014

Safety Standards



UL 508
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Environments

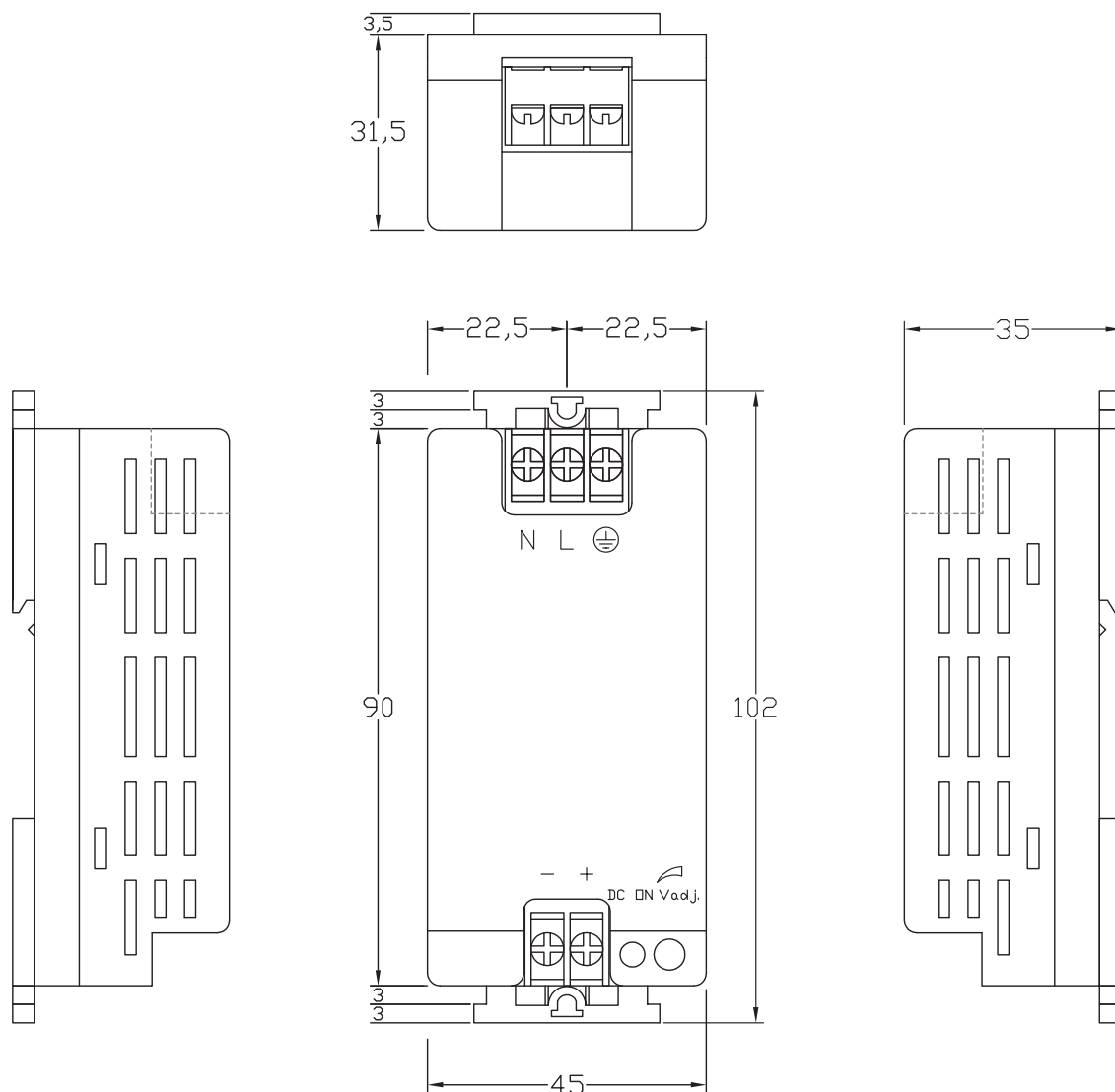
Operating Temperature	-15 ~ 50°C, Ambient
Operating Humidity	20 ~ 95% RH, No Condensing
Storage Temperature	-20 ~ 85°C, Ambient
Vibration	2G, 10~500Hz, 3 axes

NOTE:

1. Each output can provide up to maximum load, but total load can not exceed rated output power.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 20% to 100% of rated load at 220VAC input
4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
5. Efficiency is measured at rated load and 220VAC input
6. Hold-up time is measured at rated load and 220VAC input
7. Output Voltage Adjustable is measured at 5% of rated load

The factory retained the right to modify all specifications without notice

Mechanical Details



Connection Terminal

Unit : mm
Dimension : 102(H)*35(D)*45(W)
Material : Plastic
Color : Grey

Signal	Description
L	AC Live Input
N	AC Neutral Input
⊕	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
DC ON	Blue LED Power On Indicator
V adj.	Potentiometer For Output Voltage



Features

- Dual Purpose Standard Screw or Din Rail Mounting
- No-Load Consumption is lower than 0.3W
- Comply with High Efficiency power 80Plus Criterion
- Comply with 2010 Energy Conservation Power Erp Regulation
- High reliability convection cooled
- 100% burn-in test
- 1 year warranty



DIMENSIONS : 102(H) x 35(D) x 45(W)mm
WEIGHTS: 117g

General specifications

INPUT

Input range 180~264VAC
200~380VDC
Input frequency 47~63Hz
Inrush current (25°C) 80A/220VAC

OUTPUT

Hold-up time 13mS
Short protection Autorecovery
Over load protection Automatic power limited

Detail specifications

50 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max.					
MSE5024D	V1: +24V ±10%	0A	2.1A	2.1A	240mVp-p	±1%	±1%	87% Ref.	31.4 ~ 34.7V

EMC Standards

EN 55032, EN 55024
EN 61000-3-3, (EN 61000-4-2,
EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6,
EN 61000-4-8, EN 61000-4-11)
LVD: EN 62368-1:2014

Safety Standards



UL 508



CE Certified

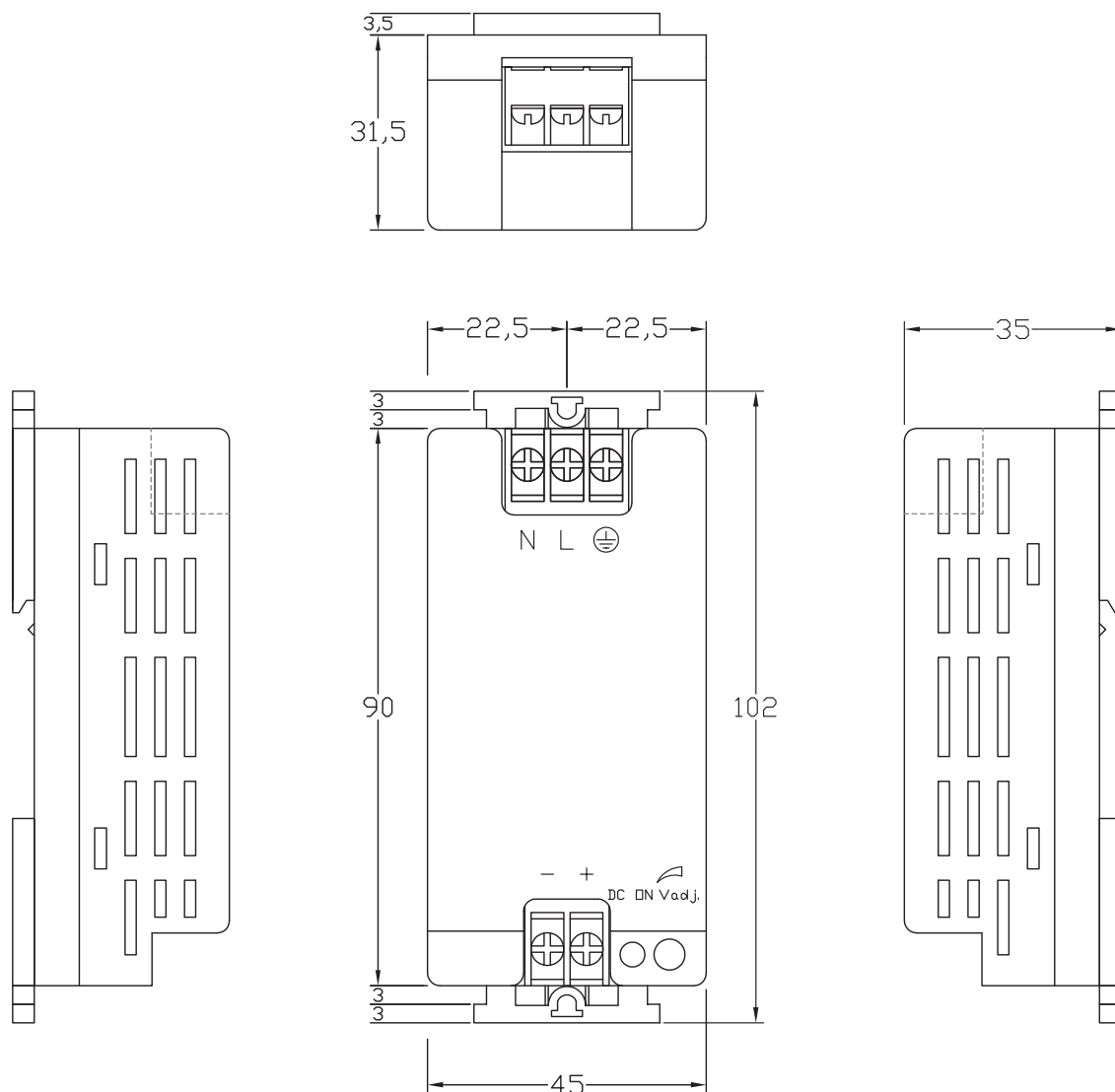
Environments

Operating Temperature -15 ~ 50°C, Ambient
Operating Humidity 20 ~ 95% RH, No Condensing
Storage Temperature -20 ~ 85°C, Ambient
Vibration 2G, 10~500Hz, 3 axes

- NOTE:
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
 2. Line regulation is measured from low line to high line at rated load.
 3. Load regulation is measured from 20% to 100% of rated load at 220VAC input
 4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
 5. Efficiency is measured at rated load and 220VAC input
 6. Hold-up time is measured at rated load and 220VAC input
 7. Output Voltage Adjustable is measured at 5% of rated load

The factory retained the right to change or modify all specifications without notice

Mechanical Details



Connection Terminal

Unit : mm
Dimension : 102(H)*35(D)*45(W)
Material : Plastic
Color : Grey

Signal	Description
L	AC Live Input
N	AC Neutral Input
⊕	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
DC ON	Blue LED Power On Indicator
V adj.	Potentiometer For Output Voltage



Features

- Dual Purpose Standard Screw or Din Rail Mounting
- No-Load Consumption is lower than 0.3W
- Comply with High Efficiency power 80Plus Criterion
- Comply with 2010 Energy Conservation Power Erp Regulation
- High reliability convection cooled
- 100% burn-in test
- 1 year warranty



DIMENSIONS : 102(H) x 75.5(D) x 45(W)mm
WEIGHTS: 181 g

General specifications

INPUT

Input range	180~264VAC 200~380VDC
Input frequency	47~63Hz
Inrush current (25°C)	40A/220VAC

OUTPUT

Hold-up time	13mS
Short protection	Autorecovery
Overload protection	Automatic power limited

Detail specifications

72 Watts

MODEL	O/P Volt Adj. $\pm\%$	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max.					
MSE07224D	V1: +24V $\pm 10\%$	0A	3A	3A	240mVp-p	$\pm 1\%$	$\pm 1\%$	85% Ref.	31.4 ~ 34.7V

EMC Standards

EN 55032, EN 55024
EN 61000-3-3, (EN 61000-4-2,
EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6,
EN 61000-4-8, EN 61000-4-11)
LVD: EN 62368-1:2014

Safety Standards



UL 508
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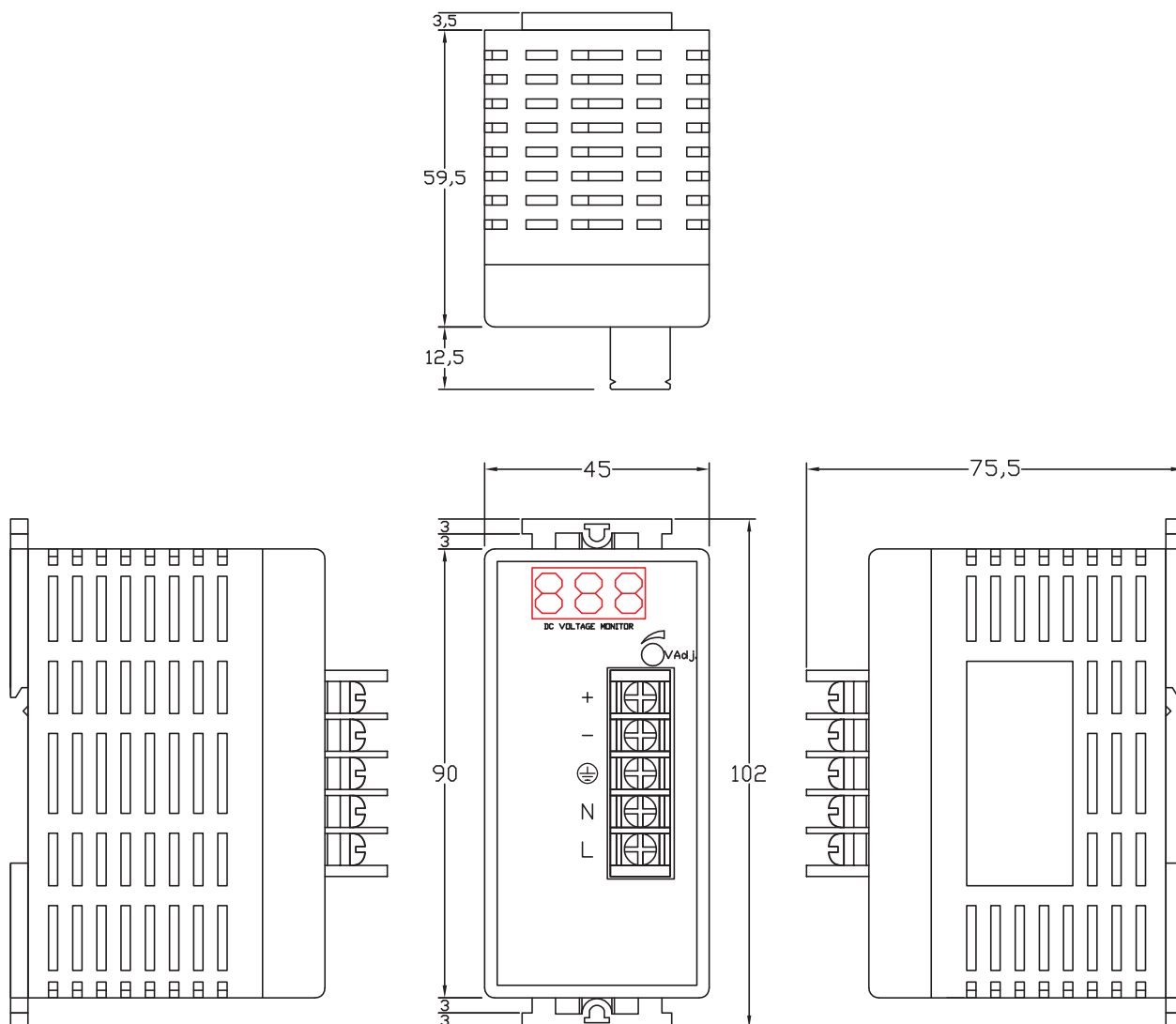
Environments

Operating Temperature -15 ~ 50°C, Ambient
Operating Humidity 20 ~ 95% RH, No Condensing
Storage Temperature -20 ~ 85°C, Ambient
Vibration 2G, 10~500Hz, 3 axes

- NOTE:
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
 2. Line regulation is measured from low line to high line at rated load.
 3. Load regulation is measured from 20% to 100% of rated load at 220VAC input
 4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
 5. Efficiency is measured at rated load and 220VAC input
 6. Hold-up time is measured at rated load and 220VAC input
 7. Output Voltage Adjustable is measured at 5% of rated load

The factory retained the right to change or modify all specifications without notice

Mechanical Details



Connection Terminal

Unit : mm
Dimension : 102(H)*75.5(D)*45(W)
Material : Plastic
Color : Grey

Signal	Description
L	AC Live Input
N	AC Neutral Input
⊕	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
DC Voltage Monitor	Display Output Voltage
V adj.	Potentiometer For Output Voltage



Features

- Dual Purpose Standard Screw or Din Rail Mounting
- No-Load Consumption is lower than 0.3W
- Comply with High Efficiency power 80Plus Criterion
- Comply with 2010 Energy Conservation Power Erp Regulation
- High reliability convection cooled
- 100% burn-in test
- 1 year warranty



DIMENSIONS : 102(H) x 75.5(D) x 45(W)mm
WEIGHTS: 181g

General specifications

INPUT

Input range	180~264VAC 200~380VDC
Input frequency	47~63Hz
Inrush current (25°C)	40A/220VAC

OUTPUT

Hold-up time	13mS
Short protection	Autorecovery
Over load protection	Automatic power limited

Detail specifications

100 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max.					
MSE10024D	V1: +24V ±10%	0A	4.1A	4.1A	240mVp-p	±1%	±1%	88% Ref.	31.4 ~ 34.7V

EMC Standards

EN 55032, EN 55024
EN 61000-3-3, (EN 61000-4-2,
EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6,
EN 61000-4-8, EN 61000-4-11)
LVD: EN 62368-1:2014

Safety Standards



UL 508



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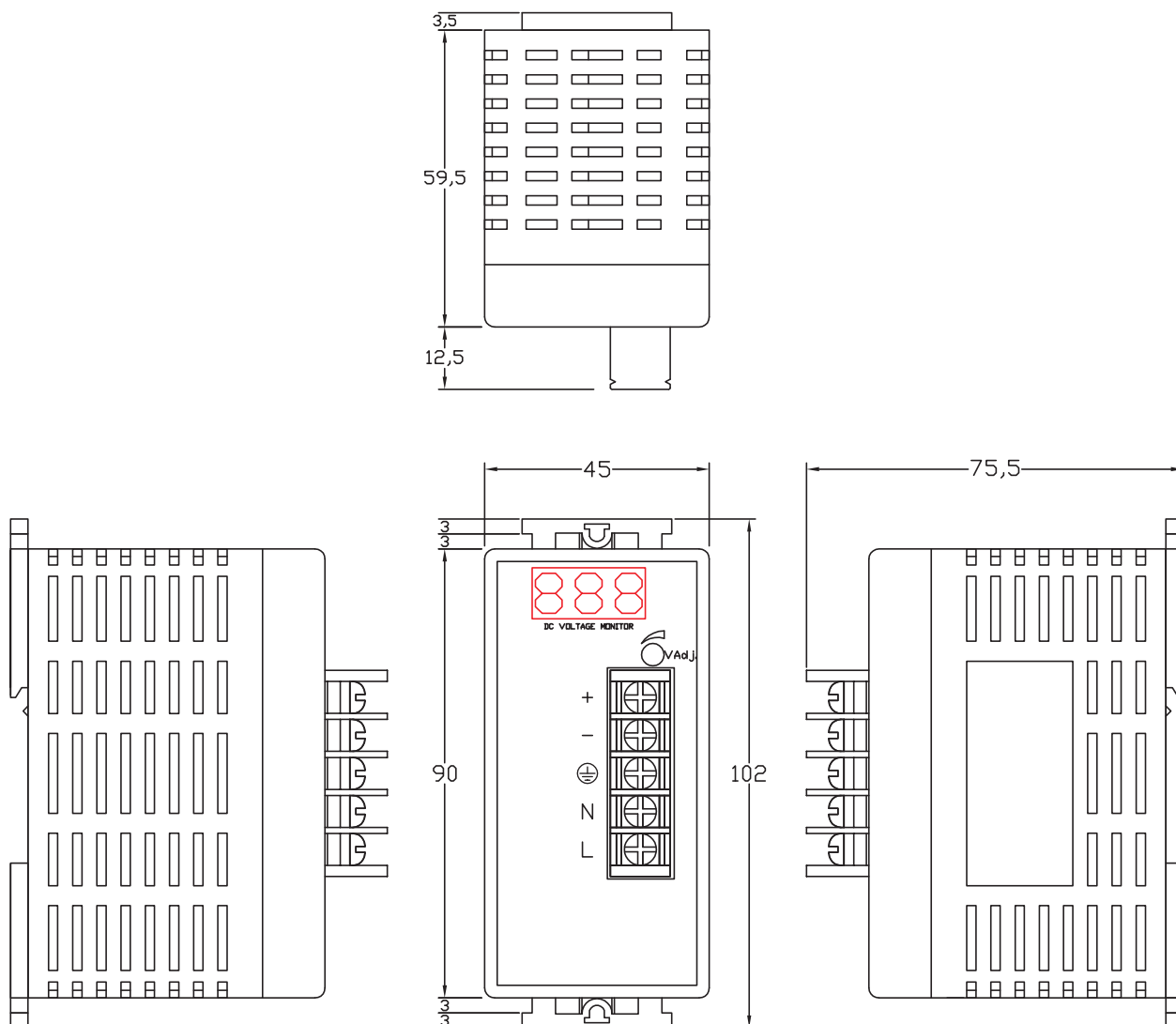
Environments

Operating Temperature	-15 ~ 50°C, Ambient
Operating Humidity	20 ~ 95% RH, No Condensing
Storage Temperature	-20 ~ 85°C, Ambient
Vibration	2G, 10~500Hz, 3 axes

- NOTE:
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
 2. Line regulation is measured from low line to high line at rated load.
 3. Load regulation is measured from 20% to 100% of rated load at 220VAC input
 4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
 5. Efficiency is measured at rated load and 220VAC input
 6. Hold-up time is measured at rated load and 220VAC input
 7. Output Voltage Adjustable is measured at 5% of rated load

The factory retained the right to change or modify all specifications without notice

Mechanical Details



Connection Terminal

Unit : mm
Dimension : 102(H)*75.5(D)*45(W)
Material : Plastic
Color : Grey

Signal	Description
L	AC Live Input
N	AC Neutral Input
⊕	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
DC Voltage Monitor	Display Output Voltage
V adj.	Potentiometer For Output Voltage



Features

- Din Rail/ Screw Mounting Dual Purpose
- No-load Consumption is lower than 0.3W
- Comply with high Efficiency Power 80Plus Criterion
- Comply with 2010 Energy Conservation Power ErP Regulation
- Output Voltage Monitor Display
- Convection cooled
- Wide input range
- 100% burn-in test
- 1 year Warranty



DIMENSIONS : 102(H) x 75.5(D) x 45(W)mm
WEIGHTS: 181g

General specifications

INPUT

Input range	90~264VAC 127~380VDC
Input frequency	47~63Hz
Inrush current (25 C)°	20A/110VAC 40A/220VAC

OUTPUT

Hold-up time	13mS
Short protection	Autorecovery
Overload protection	Automatic Power Limited

Detail specifications

50 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max.					
MSPS05024D-LED	V1: +24V ±10%	0A	2.1A	2.1A	240mVp-p	±1%	±1%	86% Ref.	31.4 ~ 34.7V

EMC Standards

EN 55032, EN 55024
EN 61000-3-3, (EN 61000-4-2,
EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6,
EN 61000-4-8, EN 61000-4-11)
LVD: EN 62368-1:2014

Safety Standards



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Environments

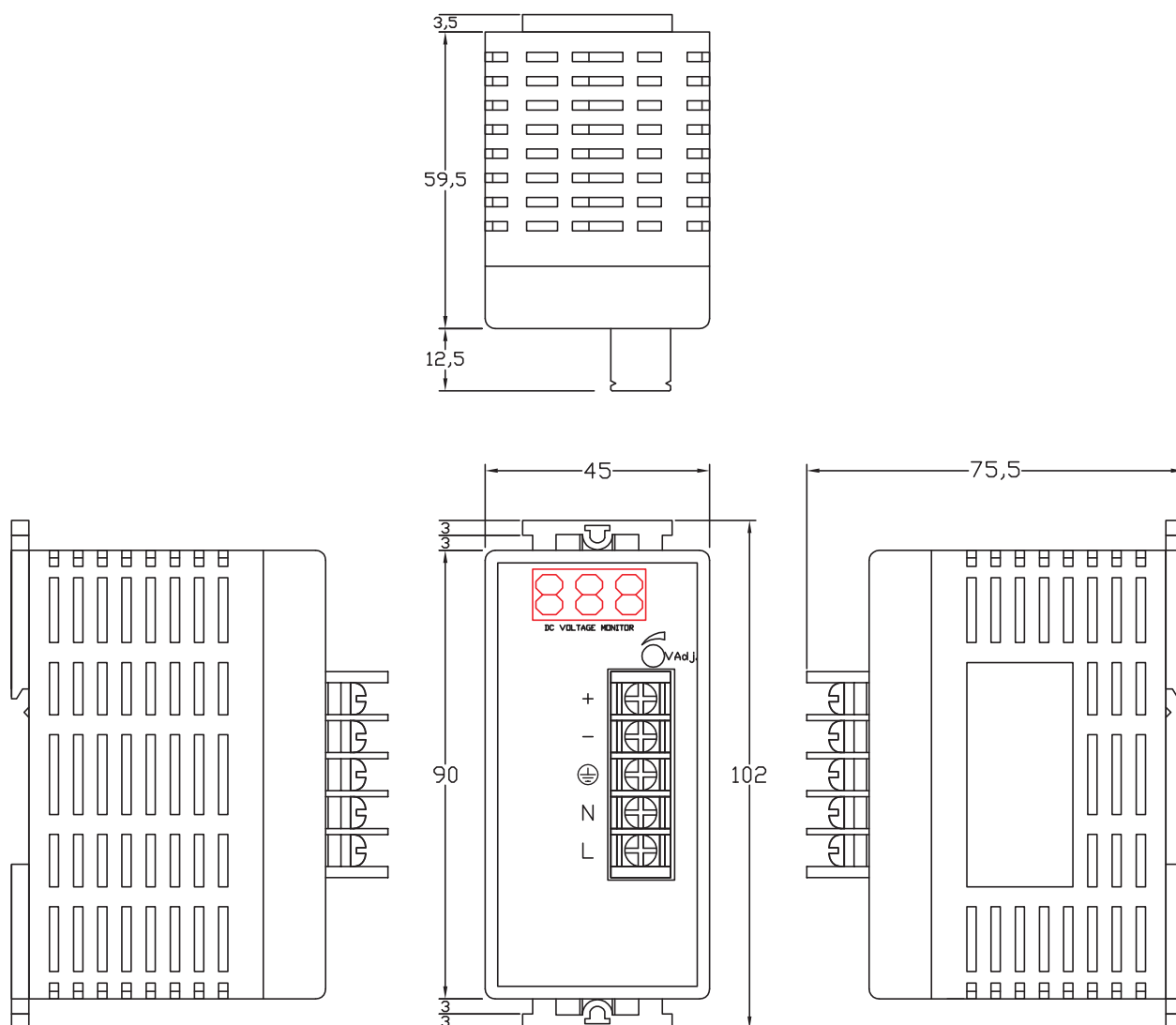
Operating Temperature	-15 ~ 50°C, Ambient
Operating Humidity	20 ~ 95% RH, No Condensing
Storage Temperature	-20 ~ 85°C, Ambient
Vibration	2G, 10~500Hz, 3 axes

NOTE:

1. Each output can provide up to maximum load, but total load can not exceed rated output power.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 20% to 100% of rated load at 220VAC input
4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
5. Efficiency is measured at rated load and 220VAC input
6. Hold-up time is measured at rated load and 220VAC input
7. No Load consumption 1.5W and No Energy Conservation Power ErP Regulation
8. Output Voltage Adjustable is measured at 5% of rated load

The factory retained the right to modify all specifications without notice

Mechanical Details



Connection Terminal

Unit : mm
Dimension : 102(H)*75.5(D)*45(W)
Material : Plastic
Color : Grey

Signal	Description
L	AC Live Input
N	AC Neutral Input
	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
DC Voltage Monitor	Display Output Voltage
V adj.	Potentiometer For Output Voltage



Features

- Standard/Din Rail Mounting Dual Purpose
- No-load Consumption is lower than 0.3W
- Comply with High Efficiency Power 80Plus Criterion
- Comply with 2010 Energy Conservation Power Erp Regulation
- "Output Voltage Monitor" Display
- Convection cooled
- Wide input range
- 100% burn-in test
- 1 years warranty



DIMENSIONS: 100(H) x 83(D) x 49(W) mm

WEIGHTS: 365g

General specifications

INPUT

Input range	90~132/180~264VAC(Selectable) 220~380VDC
Input frequency	47~63Hz
Inrush current (25°C)	20A/110VAC 40A/220VAC

OUTPUT

Hold-up time	13ms
Short protection	Autorecovery
Over load protection	Automatic power limited

Detail specifications

100 Watts

MODEL	O/P Volt Adj. $\pm$ %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max.					
MSPS10024D-LED	V1: +24V $\pm$ 10%	0A	4.2A	4.2A	240mVp-p	$\pm$ 1%	$\pm$ 1%	86% Ref.	31.4 ~ 34.7V

EMC Standards

EN 55032, EN 55024
EN 61000-3-3, (EN 61000-4-2,
EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6,
EN 61000-4-8, EN 61000-4-11)
LVD: EN 62368-1:2014

Safety Standards



UL 508

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Environments

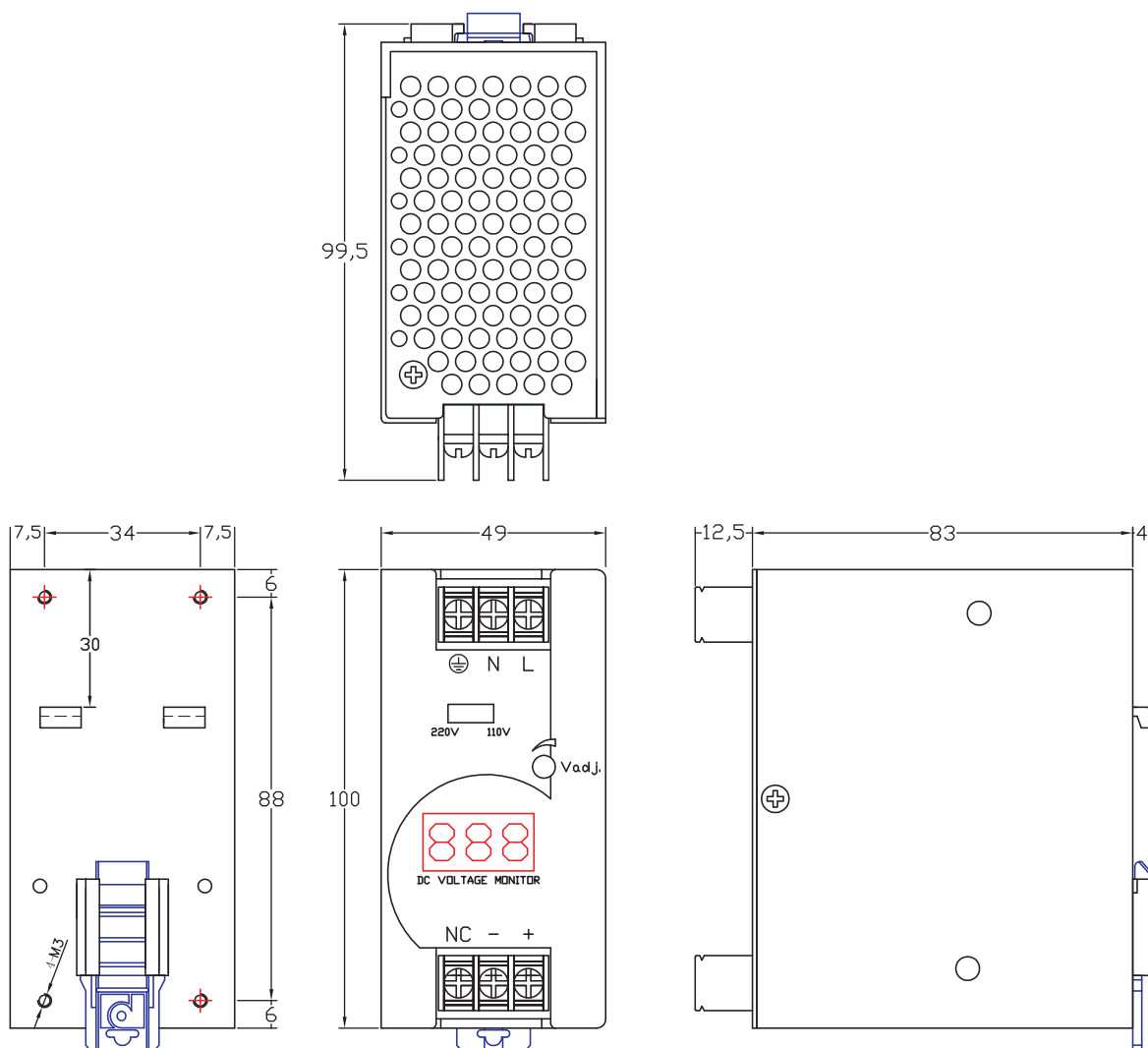
Operating Temperature	-15 ~ 50°C, Ambient
Operating Humidity	20 ~ 95% RH, No Condensing
Storage Temperature	-20 ~ 85°C, Ambient
Vibration	2G, 10~500Hz, 3 axes

NOTE:

1. Each output can provide up to maximum load, but total load can not exceed rated output power.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 20% to 100% of rated load at 220VAC input
4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
5. Efficiency is measured at rated load and 220VAC input
6. Hold-up time is measured at rated load and 220VAC input
7. No Load consumption 1.5W and No Energy Conservation Power Erp Regulation
8. Output Voltage Adjustable is measured at 5% of rated load
9. The product uses Metal Enclosures for cooling. To ensure Lifespan, a minimum Gap of at least 1 cm at the side and 2cm at top and bottom of the product should be observed during installation.

The factory retained the right to modify all specifications without notice

Mechanical Details



Connection Terminal

Unit : mm
Dimension : 100(H) x 83(D) x 49(W)
Material : Aluminum
Color : Original Aluminum

Signal	Description
L	AC Live Input
N	AC Neutral Input
⊕	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
NC	No Connection Terminal
DC Voltage Monitor	Display Output Voltage
V adj.	Potentiometer For Output Voltage



Features

- Din Rail/ Screw Mounting Dual Purpose
- No-load Consumption is lower than 0.3W
- Comply with High Efficiency Power 80Plus Criterion
- Comply with 2010. Energy Conservation Power ErP Regulation
- Output Voltage Monitoring Display
- 100% burn-in test
- Convection cooled
- 200,000 Hrs MTBF
- 1 year Warranty



DIMENSIONS : 100(H) x 83(D) x 49(W)mm
WEIGHTS: 390g

General specifications

INPUT

Input range	90~132/180~264VAC (Selectable) 220~380VDC
Input frequency	47~63Hz
Inrush current (25 C°)	20A/ 110VAC 40A/ 220VAC

OUTPUT

Hold-up time	13mS
Short protection	Autorecovery
Overload protection	Automatic Power Limited

Detail specifications

150 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max.					
MSPS15024D-LED	V1: +24V ±10%	0A	6.25A	6.25A	240mVp-p	±1%	±1%	86% Ref.	31.4 34.7V

EMC Standards

EN 55032, EN 55024
EN 61000-3-3, (EN 61000-4-2,
EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6,
EN 61000-4-8, EN 61000-4-11)
LVD: EN 62368-1:2014

Safety Standards



UL 508
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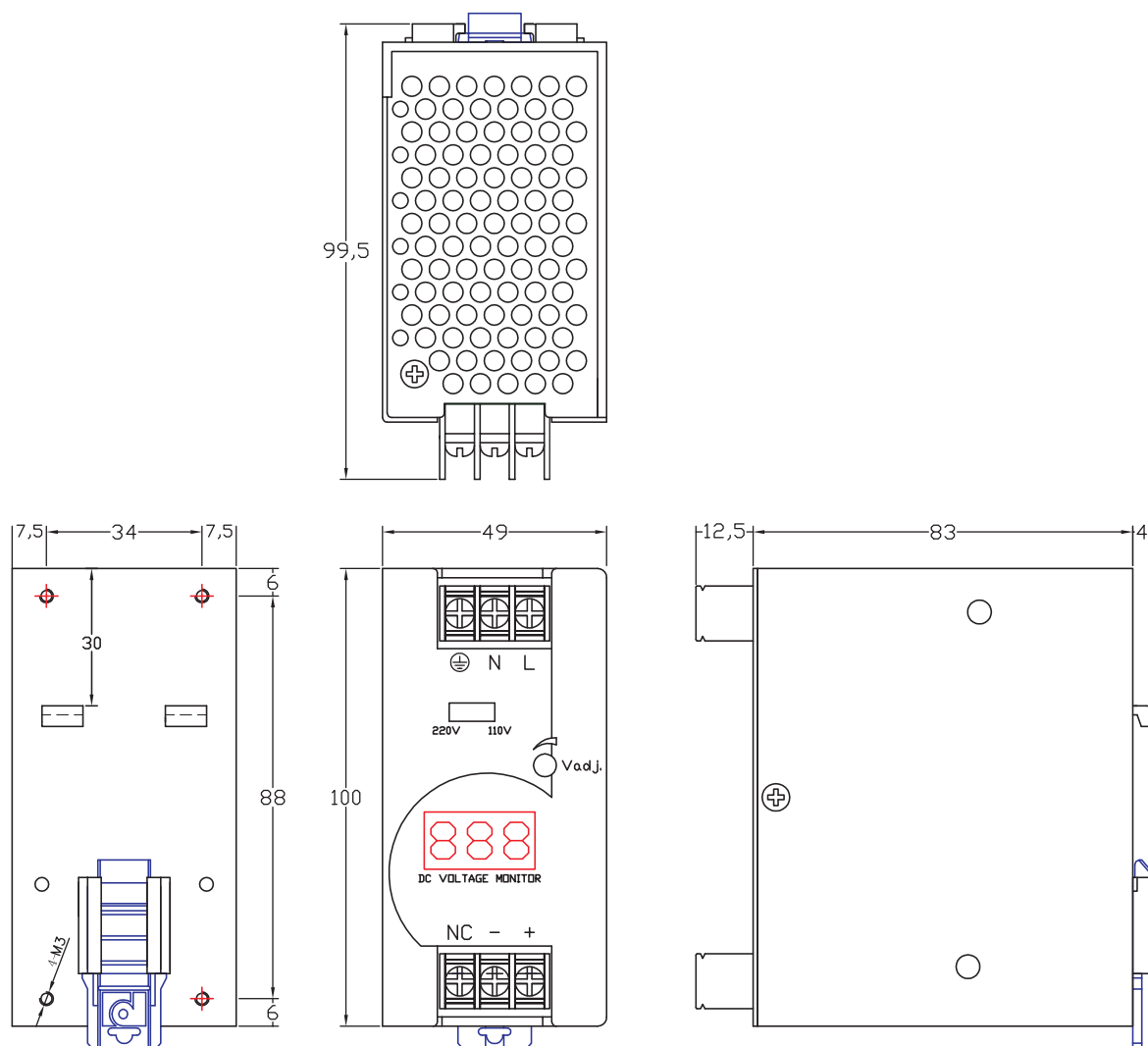
Environments

Operating Temperature -15 ~ 50°C, Ambient
Operating Humidity 20 ~ 95% RH, No Condensing
Storage Temperature -20 ~ 85°C, Ambient
Vibration 2G, 10~500Hz, 3 axes

- NOTE:
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
 2. Line regulation is measured from low line to high line at rated load.
 3. Load regulation is measured from 20% to 100% of rated load at 220VAC input
 4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
 5. Efficiency is measured at rated load and 220VAC input
 6. Hold-up time is measured at rated load and 220VAC input
 7. Output Voltage Adjustable is measured at 5% of rated load
 8. The product uses Metal Enclosures for cooling. To ensure Lifespan, a minimum Gap of at least 1 cm at the side and 2cm at top and bottom of the product should be observed during installation.

The factory retained the right to modify all specifications without notice

Mechanical Details



Connection Terminal

Unit : mm
Dimension : 100(H) x 83(D) x 49(W)
Material : Aluminum
Color : Original Aluminum

Signal	Description
L	AC Live Input
N	AC Neutral Input
⊕	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
NC	No Connection Terminal
DC Voltage Monitor	Display Output Voltage
V adj.	Potentiometer For Output Voltage



Features

- Standard/Din Rail Mounting Dual Purpose
- Comply with High Efficiency Power 80Plus Criterion
- "Output Voltage Monitor" Display
- Convection cooled
- Wide input range
- 100% burn-in test
- 1 years warranty



WEIGHTS: 740 g

DIMENSIONS: 100(H) * 110(D) * 60(W) mm



General specifications

INPUT

Input range	90~132/180~264VAC(Selectable) 220~380VDC
Input frequency	47~63Hz
Inrush current (25°C)	20A/110VAC 40A/220VAC

OUTPUT

Hold-up time	13ms
Short protection	Autorecovery
Over load protection	Automatic power limited

Detail specifications

300 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max.					
MSPS30024D-LED	V1: +24V ±10%	0A	12.5A	12.5A	240mVp-p	±1%	±1%	88% Ref.	31.4 ~ 34.7V

EMC Standards

EN 55032, EN 55024
EN 61000-3-3, (EN 61000-4-2,
EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6,
EN 61000-4-8, EN 61000-4-11)
LVD: EN 62368-1:2014

Safety Standards



UL 508

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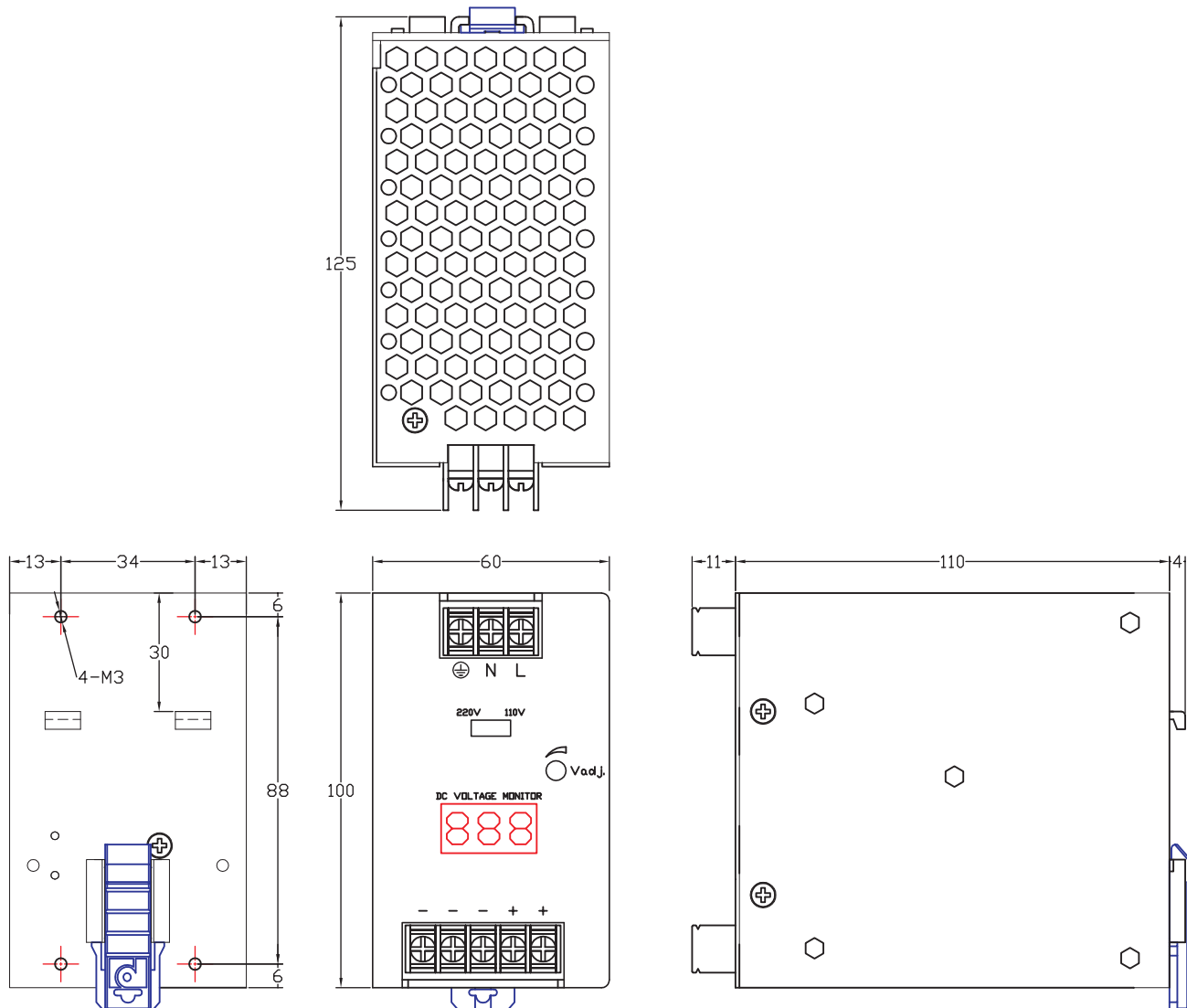
Environments

Operating Temperature	-15 ~ 50°C, Ambient
Operating Humidity	20 ~ 95% RH, No Condensing
Storage Temperature	-20 ~ 85°C, Ambient
Vibration	2G, 10~500Hz, 3 axes

- NOTE:
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
 2. Line regulation is measured from low line to high line at rated load.
 3. Load regulation is measured from 20% to 100% of rated load at 220VAC input
 4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
 5. Efficiency is measured at rated load and 220VAC input
 6. Hold-up time is measured at rated load and 220VAC input
 7. Output Voltage Adjustable is measured at 5% of rated load
 8. The product uses Metal Enclosures for cooling. To ensure Lifespan, a minimum Gap of at least 1 cm at the side and 2cm at top and bottom of the product should be observed during installation.

The factory retained the right to modify all specifications without notice

Mechanical Details



Connection Terminal

Unit : mm
Dimension : 100(H)*110(D)*60(W)
Material : Aluminum
Color : Original Aluminum

Signal	Description
L	AC Live Input
N	AC Neutral Input
⊕	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
DC Voltage Monitor	Display Output Voltage
V adj.	Potentiometer For Output Voltage

The factory retained the right to modify all specifications without notice



Features

- Din Rail/ Screw Mounting Dual Purpose
- Fan Speed Control (PCB DampProof)
- Comply with High Efficiency Power 80 Plus Criterion
- Wide Input Range
- Output Voltage Monitoring Display
- 100% burn-in test
- Convection cooled
- 200,000 Hrs MTBF
- 1 year Warranty



DIMENSIONS : 100(H) x 110(D) x 90(W)mm
WEIGHTS: 820g

General specifications

INPUT

Input range 90~132/180~264VAC (Selectable)
220~380VDC
Input frequency 47~63Hz
Inrush current (25°C) 20A/ 110VAC
40A/ 220VAC

OUTPUT

Hold-up time 13ms
Short protection Autorecovery
Over Load protection Automatic Power Limited

Detail specifications

500 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max.					
MSPS50024D-LED	V1: +24V ±10%	0A	20.8A	20.8A	100mVp-p	±0.4%	±0.8%	85% Ref.	28 ~ 34V

EMC Standards

EN 55032, EN 55024
EN 61000-3-3, (EN 61000-4-2,
EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6,
EN 61000-4-8, EN 61000-4-11)
LVD: EN 62368-1:2014

Safety Standards



UL 508



CE Certified

Environments

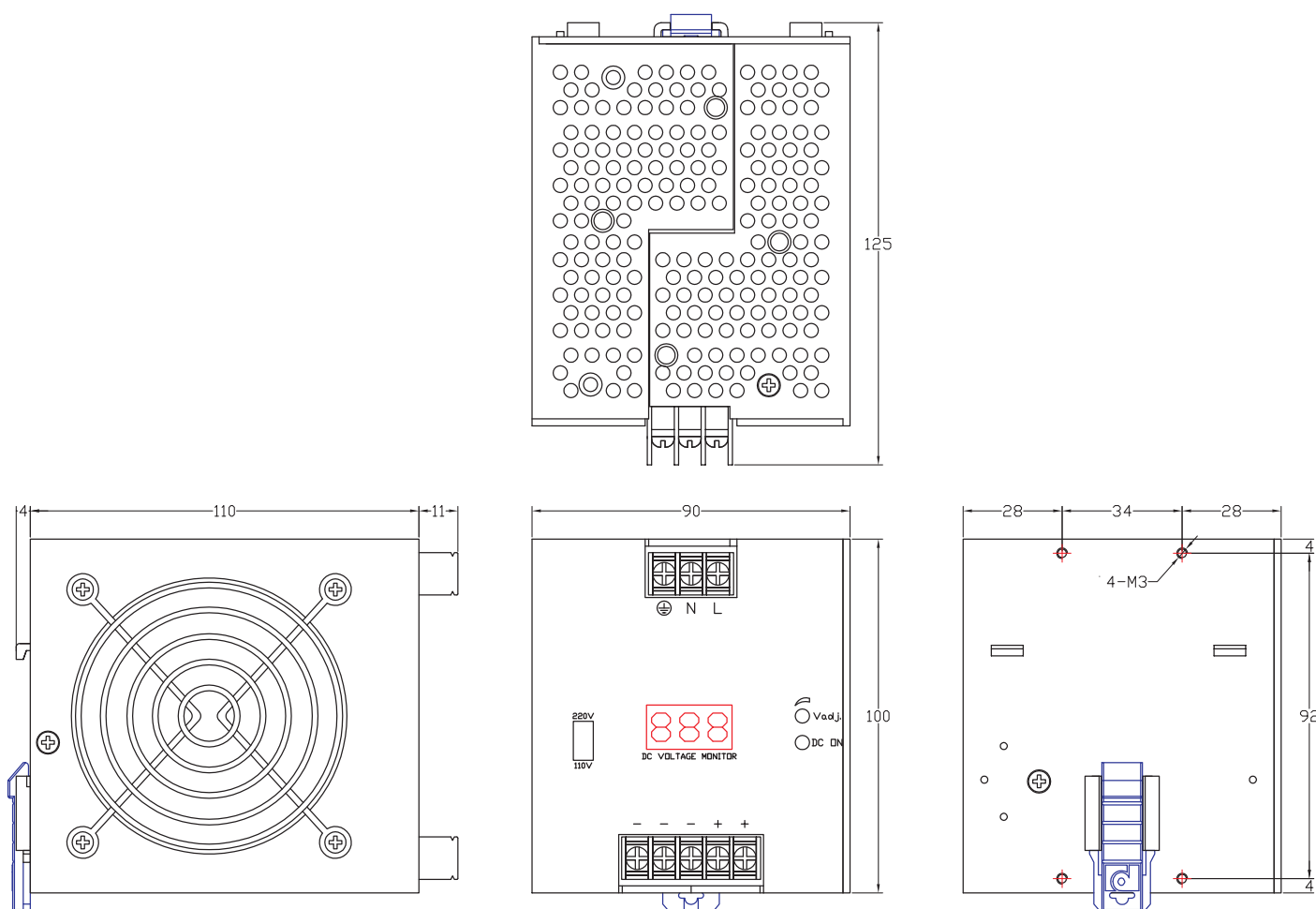
Operating Temperature -15 ~ 50°C, Ambient
Operating Humidity 20 ~ 95% RH, No Condensing
Storage Temperature -20 ~ 85°C, Ambient
Vibration 2G, 10~500Hz, 3 axes

NOTE:

1. Each output can provide up to maximum load, but total load can not exceed rated output power.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 20% to 100% of rated load at 220VAC input
4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
5. Efficiency is measured at rated load and 220VAC input
6. Hold-up time is measured at rated load and 220VAC input
7. Output Voltage Adjustable is measured at 5% of rated load
8. The product uses Metal Enclosures for cooling. To ensure Lifespan, a minimum Gap of at least 1 cm at the side and 2cm at top and bottom of the product should be observed during installation.

The factory retained the right to modify all specifications without notice

Mechanical Details



Connection Terminal

Unit : mm
Dimension : 100(H)*110(D)*90(W)
Material : Aluminum
Color : Original Aluminum

Signal	Description
L	AC Live Input
N	AC Neutral Input
⊕	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
DC Voltage Monitor	Display Output Voltage
V adj.	Potentiometer For Output Voltage
DC ON	BLUE LED Power ON Indicator



Features

- Standard/Din Rail Mounting Dual Purpose
- Comply with High Efficiency Power 80Plus Criterion
- " Output Voltage Monitor" Display
- Convection cooled
- Wide input range
- 100% burn-in test
- 1 years warranty



WEIGHTS: 740 g

DIMENSIONS: 100(H) * 110(D) * 60(W) mm



General specifications

INPUT

Input range	90~132/180~264VAC(Selectable) 220~380VDC
Input frequency	47~63Hz
Inrush current (25°C)	20A/110VAC 40A/220VAC

OUTPUT

Hold-up time	13ms
Short protection	Autorecovery
Over load protection	Automatic power limited

Detail specifications

300 Watts

MODEL	O/P Volt Adj. $\pm$ %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max.					
MSPS30036D-LED	V1: +36V $\pm$ 10%	0A	8.3A	8.3A	360mVp-p	$\pm$ 1%	$\pm$ 1%	90% Ref.	47.8 ~ 53.2V

EMC Standards

EN 55032, EN 55024
EN 61000-3-3, (EN 61000-4-2,
EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6,
EN 61000-4-8, EN 61000-4-11)
LVD: EN 62368-1:2014

Safety Standards



UL 508

CE Certified

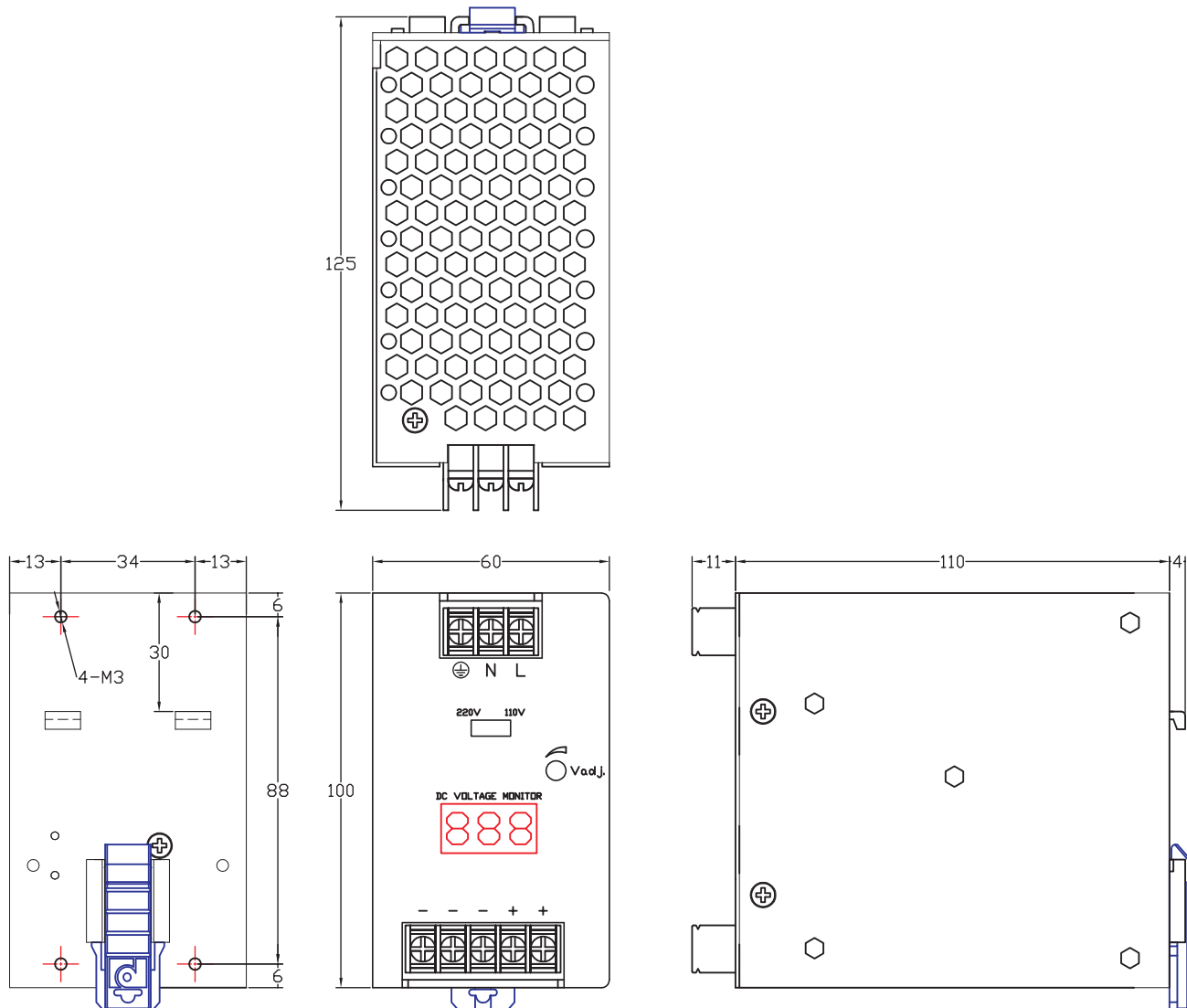
Environments

Operating Temperature	-15 ~ 50°C, Ambient
Operating Humidity	20 ~ 95% RH, No Condensing
Storage Temperature	-20 ~ 85°C, Ambient
Vibration	2G, 10~500Hz, 3 axes

- NOTE:
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
 2. Line regulation is measured from low line to high line at rated load.
 3. Load regulation is measured from 20% to 100% of rated load at 220VAC input
 4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
 5. Efficiency is measured at rated load and 220VAC input
 6. Hold-up time is measured at rated load and 220VAC input
 7. Output Voltage Adjustable is measured at 5% of rated load
 8. The product uses Metal Enclosures for cooling. To ensure Lifespan, a minimum Gap of at least 1 cm at the side and 2cm at top and bottom of the product should be observed during installation.

The factory retained the right to modify all specifications without notice

Mechanical Details



Connection Terminal

Unit : mm
Dimension : 100(H)*110(D)*60(W)
Material : Aluminum
Color : Original Aluminum

Signal	Description
L	AC Live Input
N	AC Neutral Input
⊕	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
DC Voltage Monitor	Display Output Voltage
V adj.	Potentiometer For Output Voltage



Features

- Standard/Din Rail Mounting Dual Purpose
- Comply with High Efficiency Power 80Plus Criterion
- "Output Voltage Monitor" Display
- Convection cooled
- Wide input range
- 100% burn-in test
- 1 years warranty



WEIGHTS: 740 g

DIMENSIONS: 100(H) * 110(D) * 60(W) mm



General specifications

INPUT

Input range	90~132/180~264VAC(Selectable) 220~380VDC
Input frequency	47~63Hz
Inrush current (25°C)	20A/110VAC 40A/220VAC

OUTPUT

Hold-up time	13ms
Short protection	Autorecovery
Over load protection	Automatic power limited

Detail specifications

300 Watts

MODEL	O/P Volt Adj. $\pm$ %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max.					
MSPS30048D-LED	V1: +48V $\pm$ 10%	0A	6.25A	6.25A	480mVp-p	$\pm$ 1%	$\pm$ 1%	90% Ref.	64.6 ~ 71.4V

EMC Standards

EN 55032, EN 55024
EN 61000-3-3, (EN 61000-4-2,
EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6,
EN 61000-4-8, EN 61000-4-11)
LVD: EN 62368-1:2014

Safety Standards



UL 508

CE Certified

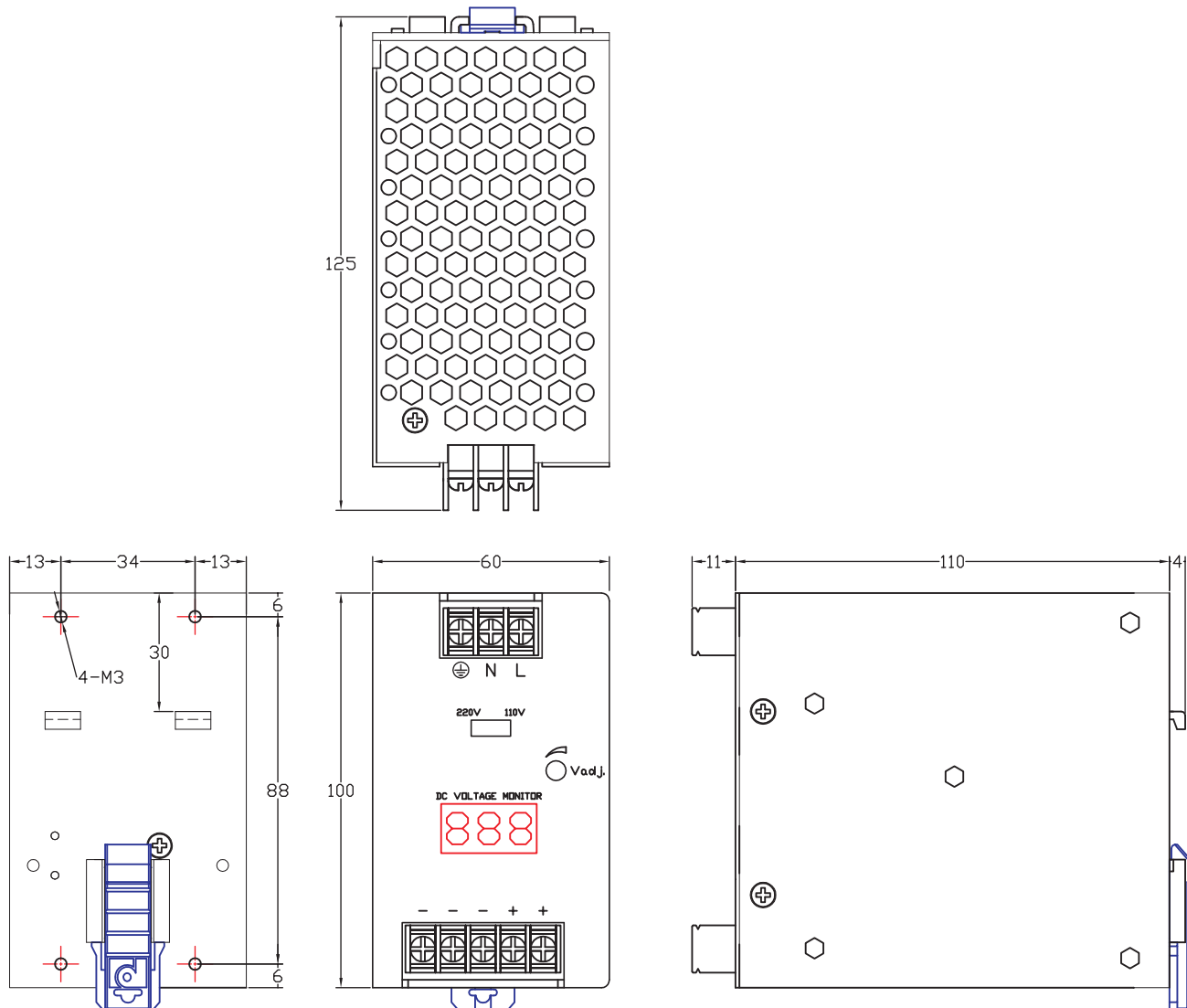
Environments

Operating Temperature	-15 ~ 50°C, Ambient
Operating Humidity	20 ~ 95% RH, No Condensing
Storage Temperature	-20 ~ 85°C, Ambient
Vibration	2G, 10~500Hz, 3 axes

- NOTE:
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
 2. Line regulation is measured from low line to high line at rated load.
 3. Load regulation is measured from 20% to 100% of rated load at 220VAC input
 4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
 5. Efficiency is measured at rated load and 220VAC input
 6. Hold-up time is measured at rated load and 220VAC input
 7. Output Voltage Adjustable is measured at 5% of rated load
 8. The product uses Metal Enclosures for cooling. To ensure Lifespan, a minimum Gap of at least 1 cm at the side and 2cm at top and bottom of the product should be observed during installation.

The factory retained the right to modify all specifications without notice

Mechanical Details



Connection Terminal

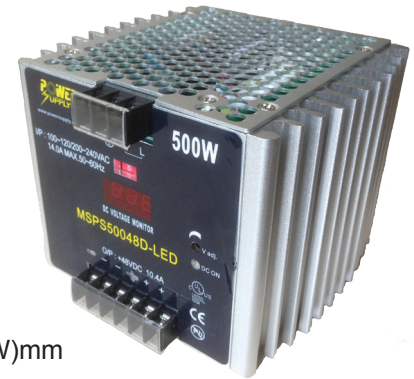
Unit : mm
Dimension : 100(H)*110(D)*60(W)
Material : Aluminum
Color : Original Aluminum

Signal	Description
L	AC Live Input
N	AC Neutral Input
⊕	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
DC Voltage Monitor	Display Output Voltage
V adj.	Potentiometer For Output Voltage



Features

- Standard Din Rail Mounting Dual Purpose
- Comply with High Efficiency Power 80Plus Criterion
- Output Voltage Monitoring Display
- Convection cooled high Reliability
- Wide Input Range
- 100% burn-in test
- Convection cooled
- 1 year Warranty



DIMENSIONS : 99(H) x 112(D) x 125(W)mm
WEIGHTS: 1380g

General specifications

INPUT

Input range 90~132/180~264VAC(Selectable)
220~380VDC
Input frequency 47~63Hz
Inrush current (25°C) 20A/110VAC
40A/220VAC

OUTPUT

Hold-up time 13ms
Short protection Autorecovery
Over load protection Automatic power limited

Detail s pecifications

500 Watts

MODEL	O/P Volt Adj. %	Lo ad (C urrent)			R ipple & Noise ⁴	Li ne REG. ²	Lo ad REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max. ¹					
MSPS50048D-LED	V : +48V ±10%	0A	10.4A	10.4A	480mV	±1%	±1%	87% Ref.	64.6 ~ 71.4V

EMC Standards

EN 55032, EN 55024
EN 61000-3-3, (EN 61000-4-2,
EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6,
EN 61000-4-8, EN 61000-4-11)
LVD: EN 62368-1:2014

Safety Standards



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Environments

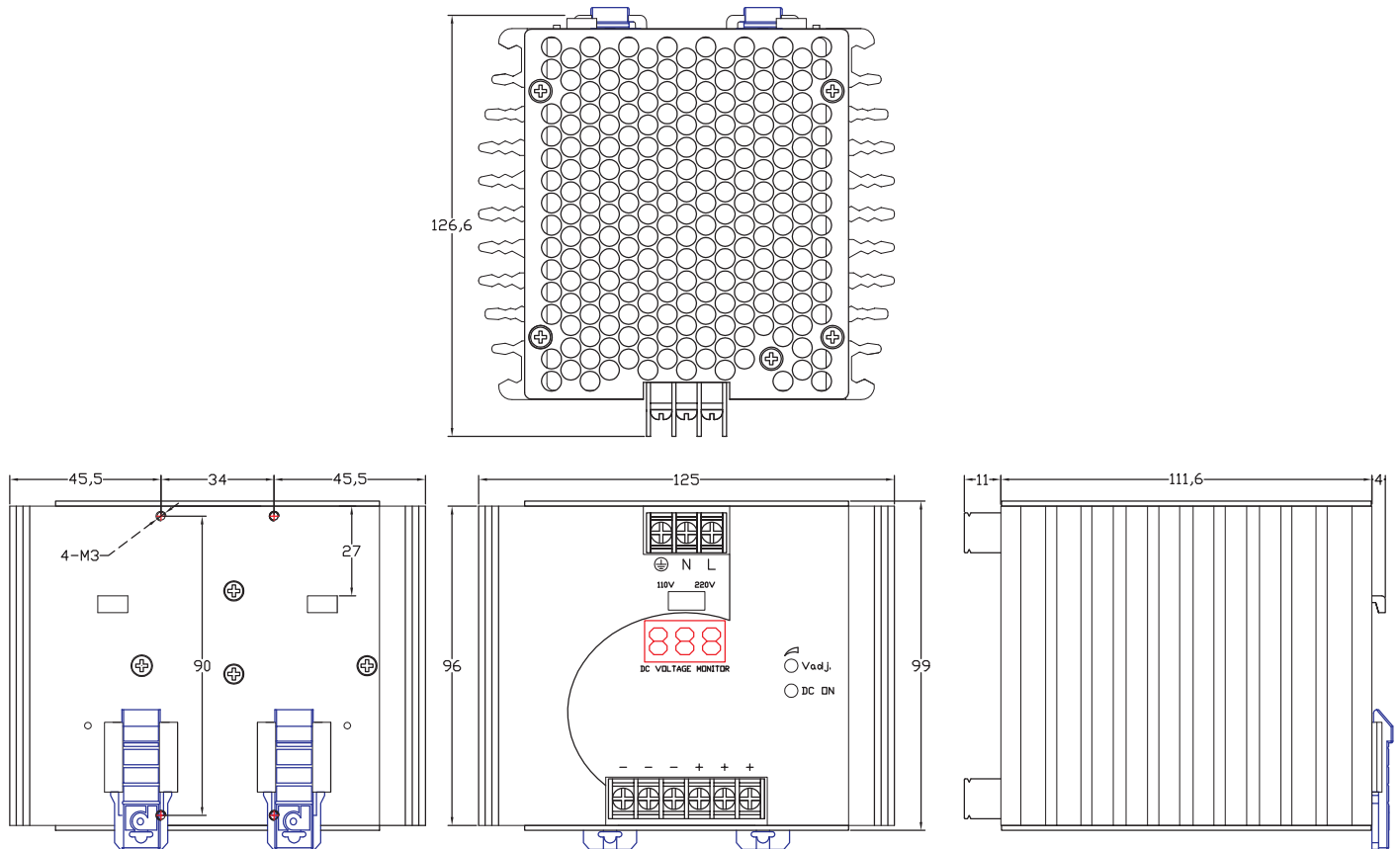
Operating Temperature -15 ~ 50°C, Ambient
Operating Humidity 20 ~ 95% RH, No Condensing
Storage Temperature -20 ~ 85°C, Ambient
Vibration 2G, 10~500Hz, 3 axes

NOTE:

1. Each output can provide up to maximum load, but total load can not exceed rated output power.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 20% to 100% of rated load at 220VAC input
4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
5. Efficiency is measured at rated load and 220VAC input
6. Hold-up time is measured at rated load and 220VAC input
7. Output Voltage Adjustable is measured at 5% of rated load
8. The product uses Metal Enclosures for cooling. To ensure Lifespan, a minimum Gap of at least 1 cm at the side and 2cm at top and bottom of the product should be observed during installation.

The factory retained the right to modify all specifications without notice

Mechanical Details



Connection Terminal

Unit : mm
Dimension : 99(H)*111.6(D)*125(W)
Material : Aluminum
Color : Original Aluminum

Signal	Description
L	AC Live Input
N	AC Neutral Input
⊕	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
	Display Output Voltage
V adj.	Potentiometer For Output Voltage
DC ON	BLUE LED Power ON Indicator



Features

- Din Rail/ Screw Mounting Dual Purpose
- Fan Speed Control (PCB DampProof)
- Comply with High Efficiency Power 80 Plus Criterion
- Wide Input Range
- Output Voltage Monitoring Display
- 100% burn-in test
- Convection cooled
- 200,000 Hrs MTBF
- 1 year Warranty



DIMENSIONS : 100(H) x 110(D) x 90(W)mm
WEIGHTS: 820g

General specifications

INPUT

Input range 90~132/180~264VAC (Selectable)
220~380VDC
Input frequency 47~63Hz
Inrush current (25°C) 20A/ 110VAC
40A/ 220VAC

OUTPUT

Hold-up time 13ms
Short protection Autorecovery
Over Load protection Automatic Power Limited

Detail s pecifications

500 Watts

MODEL	O/P Volt Adj. ±%	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max.					
MSPS50048DF-LED	V1: +48V±10%	0A	10.4A	10.4A	480mVp-p	±1%	±2%	85% Ref.	64.6 ~ 71.4V

EMC Standards

EN 55032, EN 55024
EN 61000-3-3, (EN 61000-4-2,
EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6,
EN 61000-4-8, EN 61000-4-11)
LVD: EN 62368-1:2014

Safety Standards



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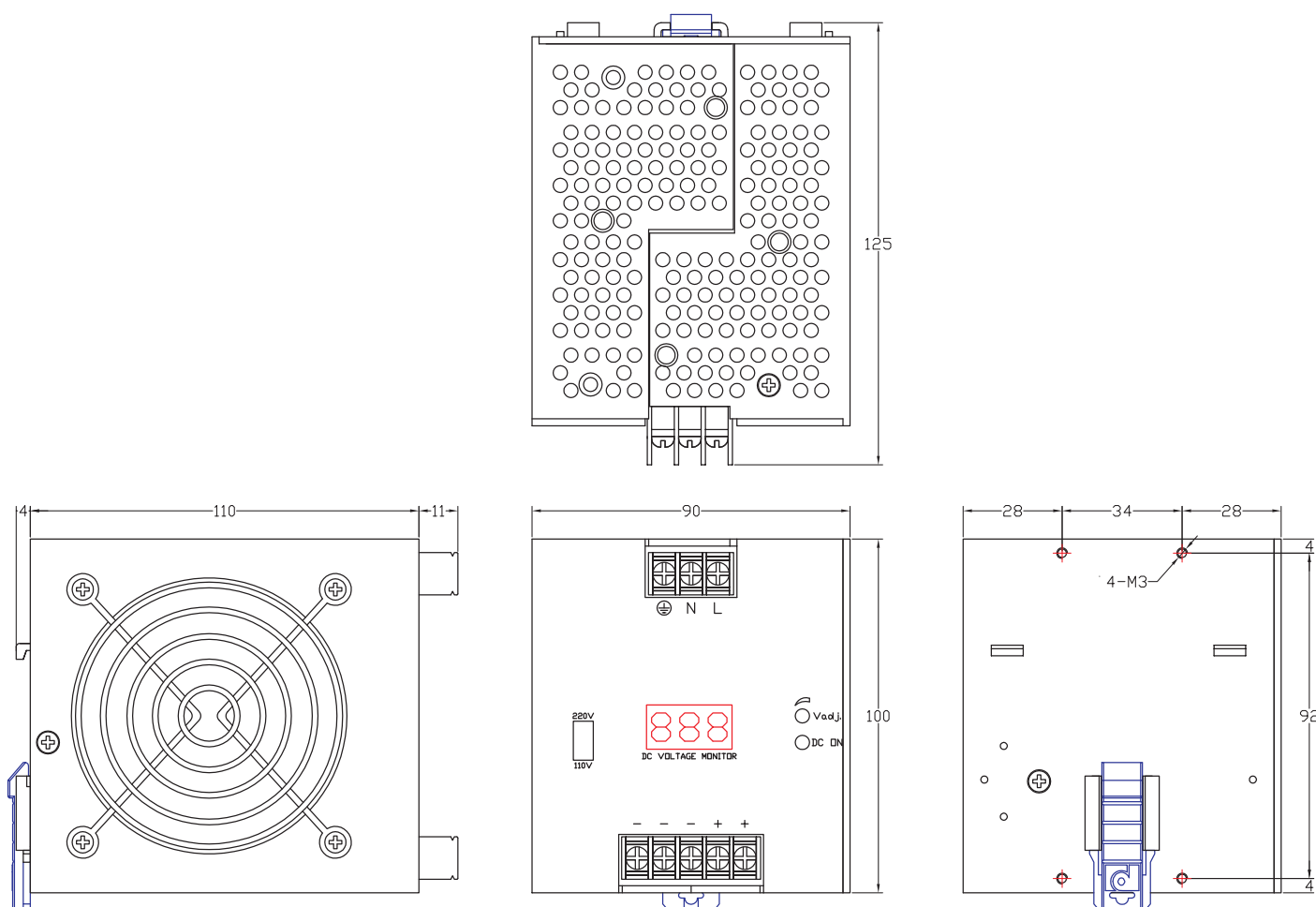
Environments

Operating Temperature -15 ~ 50°C, Ambient
Operating Humidity 20 ~ 95% RH, No Condensing
Storage Temperature -20 ~ 85°C, Ambient
Vibration 2G, 10~500Hz, 3 axes

- NOTE:
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
 2. Line regulation is measured from low line to high line at rated load.
 3. Load regulation is measured from 20% to 100% of rated load at 220VAC input
 4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
 5. Efficiency is measured at rated load and 220VAC input
 6. Hold-up time is measured at rated load and 220VAC input
 7. Output Voltage Adjustable is measured at 5% of rated load
 8. The product uses Metal Enclosures for cooling. To ensure Lifespan, a minimum Gap of at least 1 cm at the side and 2cm at top and bottom of the product should be observed during installation.

The factory retained the right to modify all specifications without notice

Mechanical Details



Connection Terminal

Unit : mm
Dimension : 100(H)*110(D)*90(W)
Material : Aluminum
Color : Original Aluminum

Signal	Description
L	AC Live Input
N	AC Neutral Input
	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
DC Voltage Monitor	Display Output Voltage
V adj.	Potentiometer For Output Voltage
DC ON	BLUE LED Power ON Indicator



Features

- Standard Din Rail Mounting Dual Purpose
- Comply with High Efficiency Power 80Plus Criterion
- Output Voltage Monitoring Display
- Convection cooled high Reliability
- Wide Input Range
- 100% burn-in test
- Convection cooled
- 1 year Warranty



DIMENSIONS : 99(H) x 112(D) x 125(W)mm
WEIGHTS: 1380g

General specifications

INPUT

Input range 90~132/180~264VAC(Selectable)
220~380VDC
Input frequency 47~63Hz
Inrush current (25°C) 20A/110VAC
40A/220VAC

OUTPUT

Hold-up time 13ms
Short protection Autorecovery
Over load protection Automatic power limited

Detail specifications

500 Watts

MODEL	O/P Volt Adj. %	Load (Current)			Ripple & Noise	Line REG.	Load REG.	Efficiency	O.V.P
		Min.	Rated	Max.					
MSPS50068D-LED	V : +68V ±10%	0A	7.35A	7.35A	680mV	±1%	±1%	87% Ref.	76.0 ~ 84.2V

EMC Standards

EN 55032, EN 55024
EN 61000-3-3, (EN 61000-4-2,
EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6,
EN 61000-4-8, EN 61000-4-11)
LVD: EN 62368-1:2014

Safety Standards



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Environments

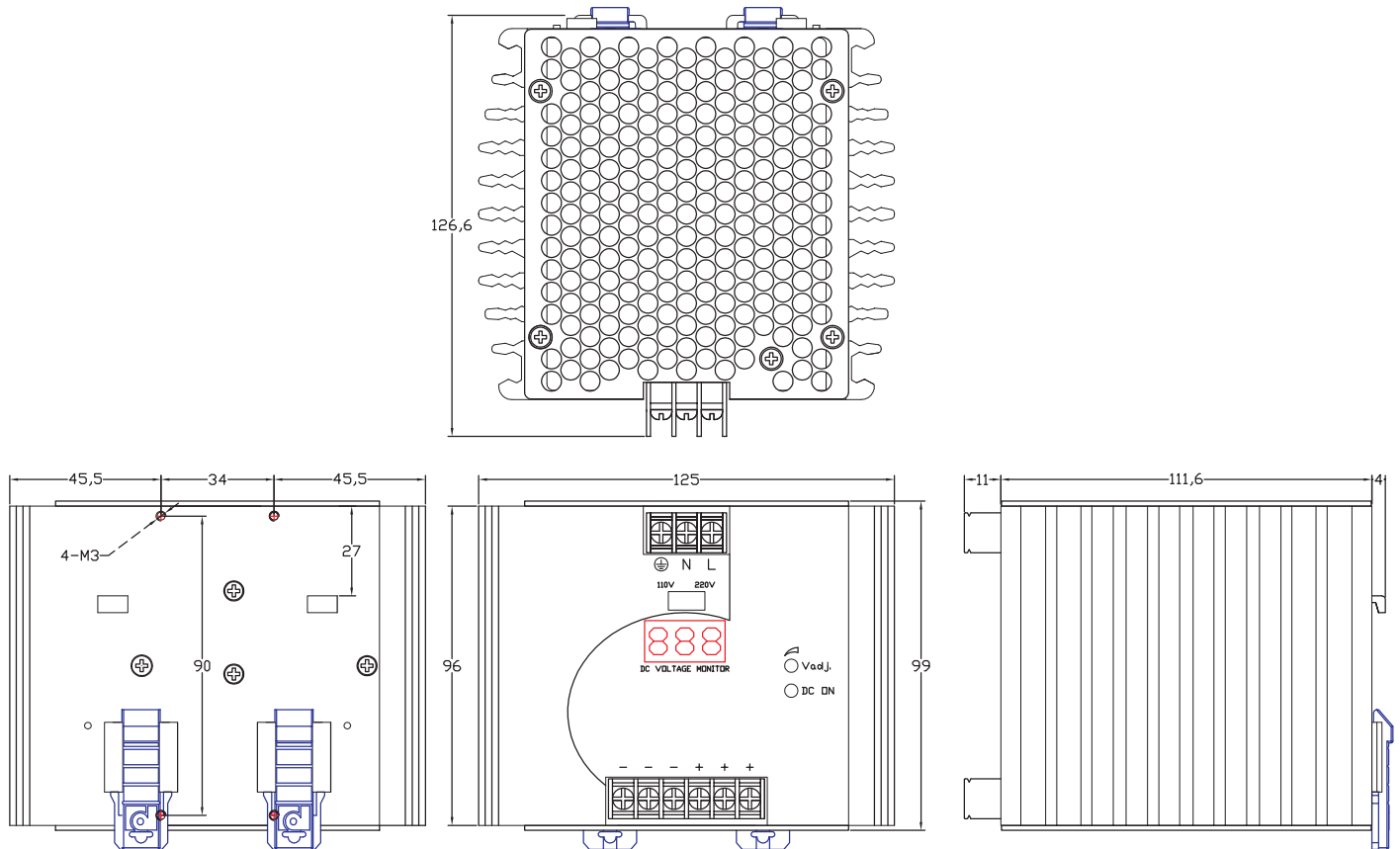
Operating Temperature -15 ~ 50°C, Ambient
Operating Humidity 20 ~ 95% RH, No Condensing
Storage Temperature -20 ~ 85°C, Ambient
Vibration 2G, 10~500Hz, 3 axes

NOTE:

1. Each output can provide up to maximum load, but total load can not exceed rated output power.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 20% to 100% of rated load at 220VAC input
4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
5. Efficiency is measured at rated load and 220VAC input
6. Hold-up time is measured at rated load and 220VAC input
7. Output Voltage Adjustable is measured at 5% of rated load
8. The product uses Metal Enclosures for cooling. To ensure Lifespan, a minimum Gap of at least 1 cm at the side and 2cm at top and bottom of the product should be observed during installation.

The factory retained the right to modify all specifications without notice

Mechanical Details



Connection Terminal

Unit : mm
Dimension : 99(H)*111.6(D)*125(W)
Material : Aluminum
Color : Original Aluminum

Signal	Description
L	AC Live Input
N	AC Neutral Input
⊕	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
	Display Output Voltage
V adj.	Potentiometer For Output Voltage
DC ON	BLUE LED Power ON Indicator



Features

- Din Rail/ Screw Mounting Dual Purpose
- No-load Consumption is lower than 0.3W
- Comply with high Efficiency Power 80Plus Criterion
- Comply with 2010 Energy Conservation Power ErP Regulation
- Output Voltage Monitor Display
- Convection cooled
- Wide input range
- 100% burn-in test
- 1 year Warranty



DIMENSIONS : 102(H) x 75.5(D) x 45(W)mm
WEIGHTS: 181g

General specifications

INPUT

Input range	90~264VAC 127~380VDC
Input frequency	47~63Hz
Inrush current (25 C)°	20A/110VAC 40A/220VAC

OUTPUT

Hold-up time	13mS
Short protection	Autorecovery
Overload protection	Automatic Power Limited

Detail specifications

50 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max.					
MSPS05012D-LED	V1: +12V ± 10%	0A	4.2A	4.2A	120mVp-p	±1%	±1%	85% Ref.	17.1 ~ 18.9V

EMC Standards

EN 55022 CLASS A
EN 61000-3-3,
EN 55024 (IEC 61000-4-2, IEC 61000-4-3,
IEC 61000-4-4, IEC61000-4-5, IEC 61000-4-6,
IEC 61000-4-8 IEC 61000-4-11)

Environments

Operating Temperature	-15 ~ 50°C, Ambient
Operating Humidity	5 ~ 95% RH, No Condensing
Storage Temperature	-20 ~ 85°C Ambient
Vibration	2G, 10~500Hz, 3 axes

Safety Standards



U L 508 Certificate

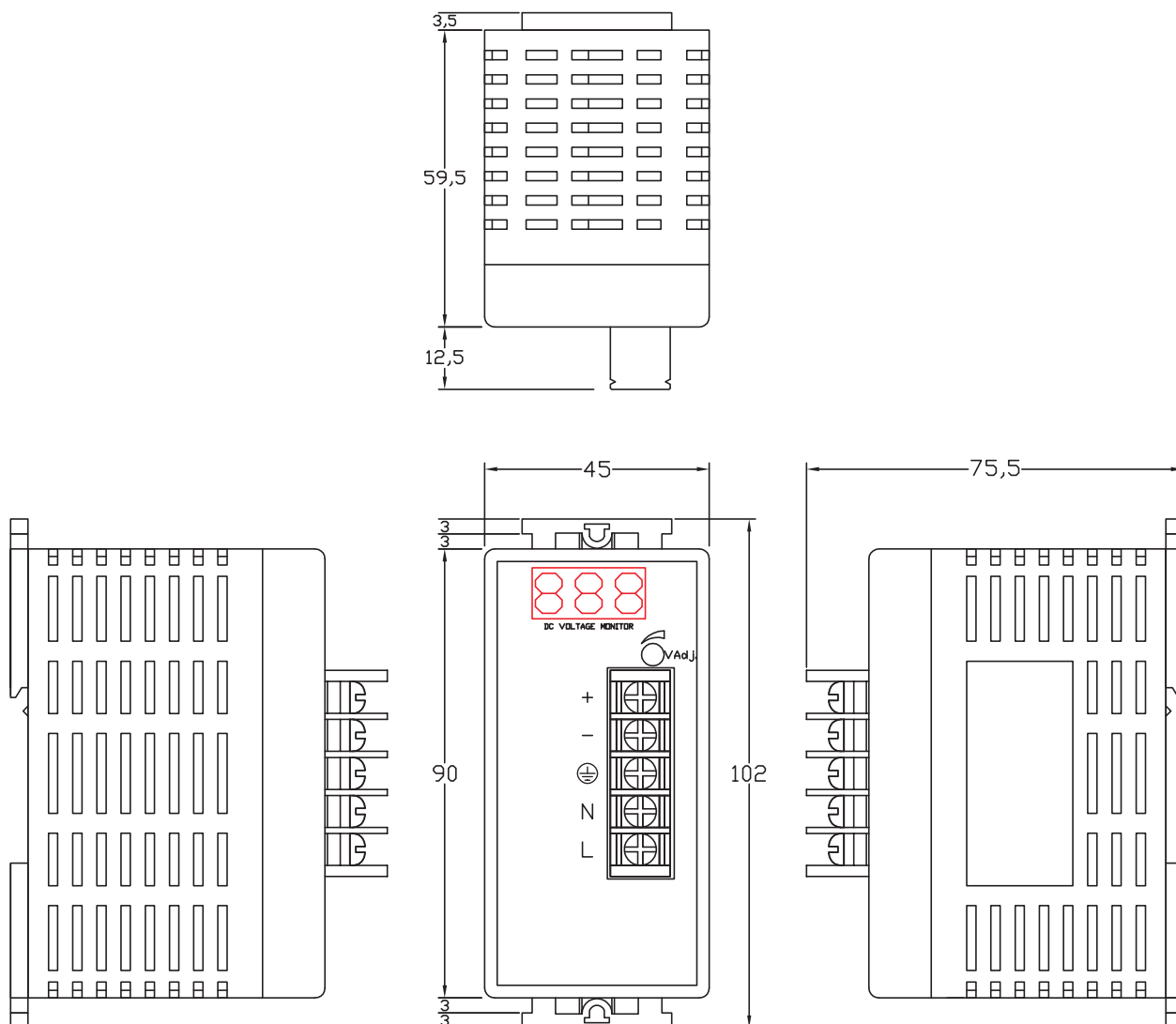


C E Marking

- NOTE:
1. Each output can provide up to maximum load, but total load can not exceed rated output power
 2. Line regulation is measured from low line to high line at rated load.
 3. Load regulation is measured from 20% to 100% of rated load at 220VAC input.
 4. Ripple & Noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
 5. Efficiency is measured at rated load and 220VAC input.
 6. Hold-up time is measured at rated load and 220VAC input.

The factory retained the right to modify all specifications without notice

Mechanical Details



Connection Terminal

Unit : mm
Dimension : 102(H)*75.5(D)*45(W)
Material : Plastic
Color : Grey

Signal	Description
L	AC Live Input
N	AC Neutral Input
⊕	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
DC Voltage Monitor	Display Output Voltage
V adj.	Potentiometer For Output Voltage



Features

- Standard/Din Rail Mounting Dual Purpose
- No-load Consumption is lower than 0.3W
- Comply with High Efficiency Power 80Plus Criterion
- Comply with 2010 Energy Conservation Power Erp Regulation
- "Output Voltage Monitor" Display
- Convection cooled
- Wide input range
- 100% burn-in test
- 1 years warranty



DIMENSIONS: 100(H)*83(D)*49(W)mm
WEIGHTS: 365g



General specifications

INPUT

Input range	90~132/180~264VAC(Selectable) 220~380VDC
Input frequency	47~63Hz
Inrush current (25°C)	20A/110VAC 40A/220VAC

OUTPUT

Hold-up time	13ms
Short protection	Autorecovery
Over load protection	Automatic power limited

Detail specifications

100 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max.					
MSPS10012D-LED	V1: +12V ±10%	0A	8.3A	8.3A	120mVp-p	±1%	±1%	85% Ref.	17.1 ~ 18.9V

EMC Standards

EN 55022 CLASS A
EN 61000-3-3,
EN 55024 (IEC 61000-4-2,
IEC 61000-4-3, IEC 61000-4-4,
IEC 61000-4-5 IEC 61000-4-6,
IEC 61000-4-8 IEC 61000-4-11)



UL 508 C Certificate



CE Marking

Environments

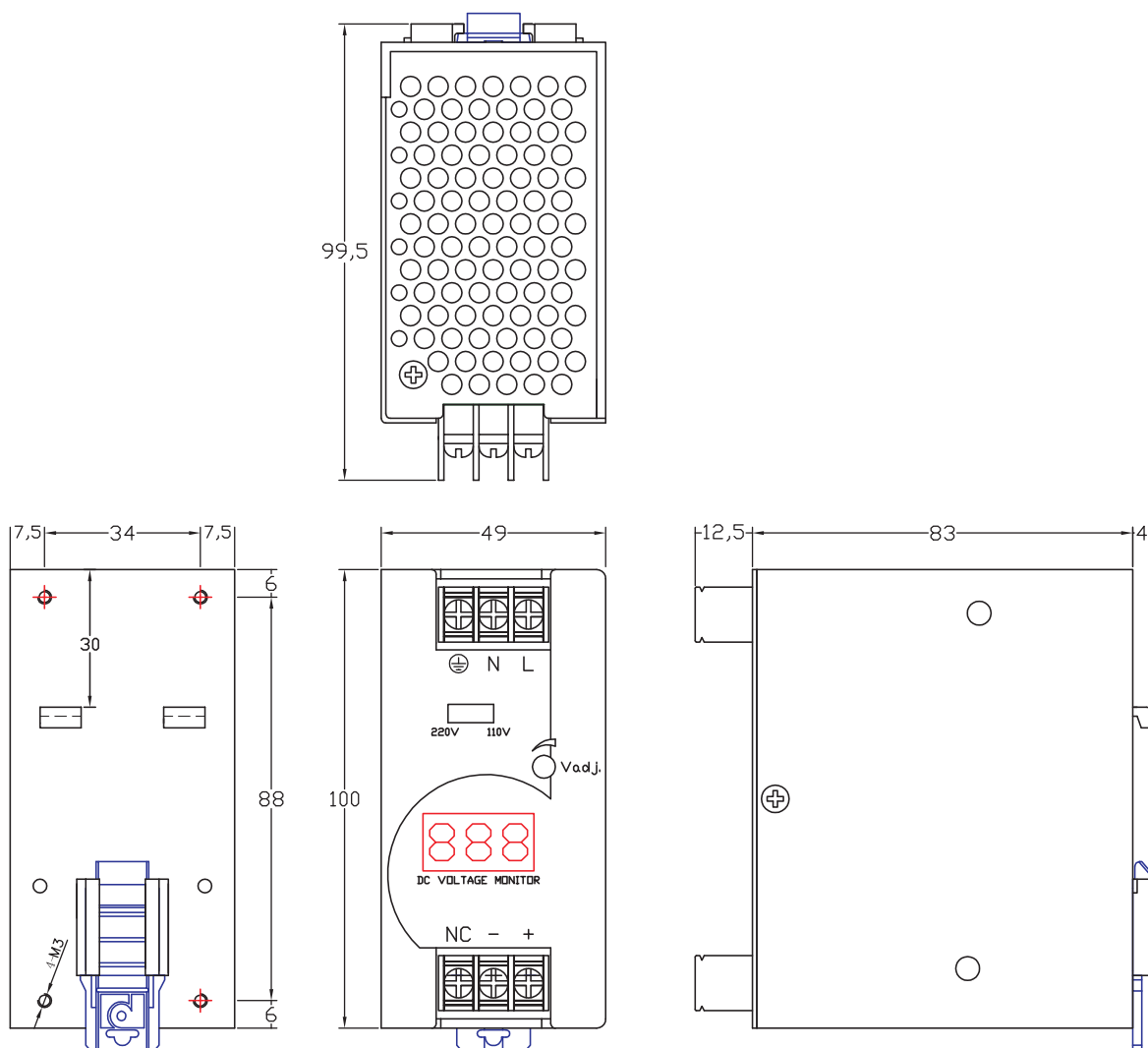
Operating Temperature	-15 ~ 50°C, Ambient
Operating Humidity	5 ~ 95% RH, No Condensing
Storage Temperature	-20 ~ 85°C, Ambient
Vibration	2G, 10~500Hz, 3 axes

NOTE

1. Each output can provide up to maximum load, but total load can not exceed rated output power.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 20% to 100% of rated load at 220VAC input.
4. Ripple & Noise is measured at 20MHz bandwidth by using a 12" twisted pair wire terminated with a 0.1uF & 47uF parallel capacitor
5. Efficiency is measured at rated load and 220VAC input.
6. Hold-up time is measured at rated load and 220VAC input.

The factory retained the right to modify all specifications without notice

Mechanical Details



Connection Terminal

Unit : mm
Dimension : 100(H) x 83(D) x 49(W)
Material : Aluminum
Color : Original Aluminum

Signal	Description
L	AC Live Input
N	AC Neutral Input
⊕	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
NC	No Connection Terminal
DC Voltage Monitor	Display Output Voltage
V adj.	Potentiometer For Output Voltage



Features

- Din Rail/ Screw Mounting Dual Purpose
- No-load Consumption is lower than 0.3W
- Comply with High Efficiency Power 80Plus Criterion
- Comply with 2010. Energy Conservation Power ErP Regulation
- Output Voltage Monitoring Display
- 100% burn-in test
- Convection cooled
- 200,000 Hrs MTBF
- 1 year Warranty

DIMENSIONS : 100(H) x 83(D) x 49(W)mm
WEIGHTS: 390g



General specifications

INPUT

Input range	90~132/180~264VAC (Selectable) 220~380VDC
Input frequency	47~63Hz
Inrush current (25 C)°	20A/ 110VAC 40A/ 220VAC

OUTPUT

Hold-up time	13mS
Short protection	Autorecovery
Overload protection	Automatic Power Limited

Detail specifications

150 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max.					
MSPS15012D-LED	V1: +12V ±10%	0A	12.5A	12.5A	120mVp-p	±1%	±1%	86% Ref.	17.1 ~ 18.9V

EMC Standards

EN55022 CLASS A
EN61000-3-3
EN55024(IEC61000-4-2,
IEC61000-4-3, IEC61000-4-4
IEC61000-4-5, IEC61000-4-6
IEC61000-4-8, IEC61000-4-11)

Safety Standards



UL 508 C Certificate



CE Marking

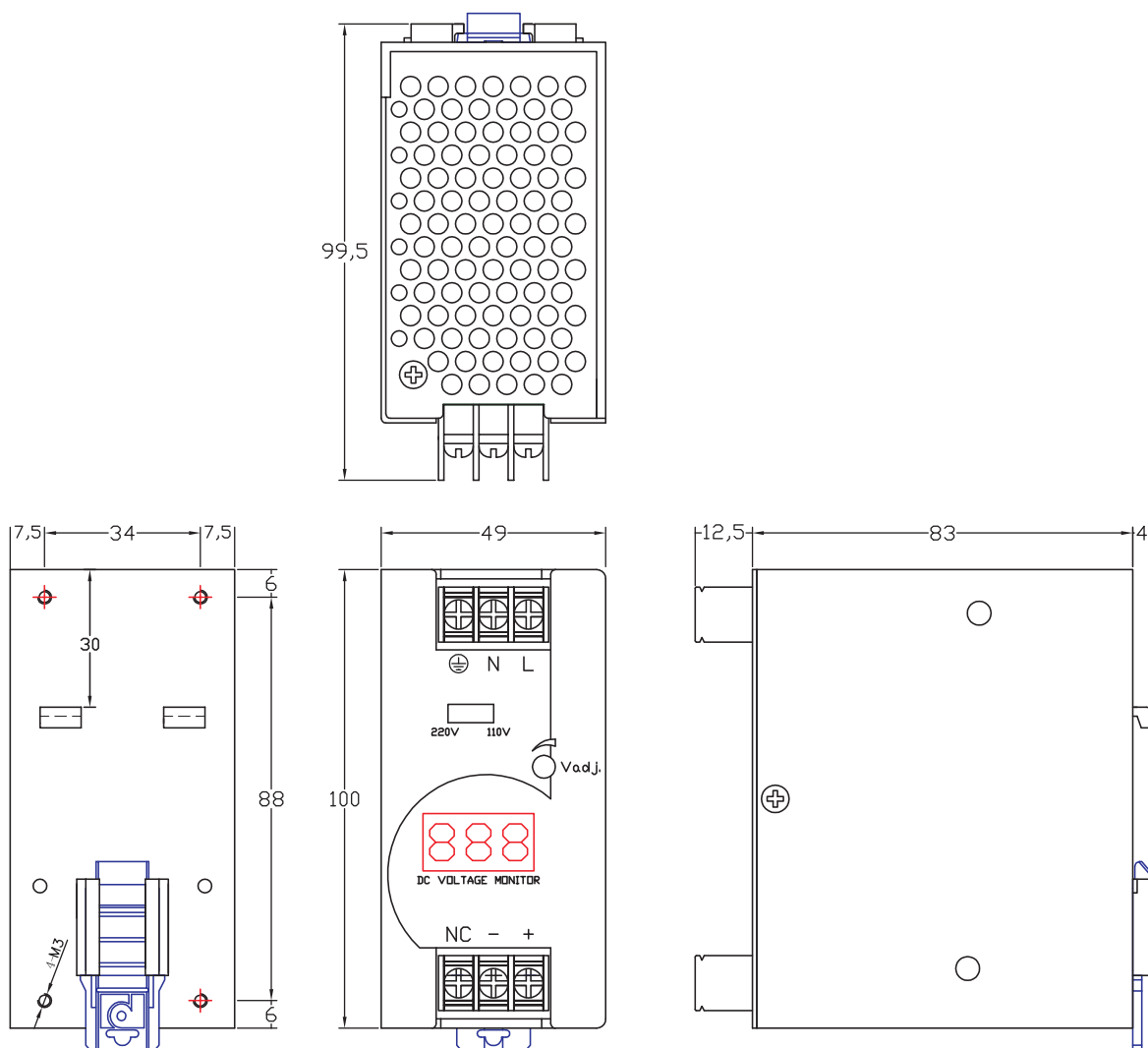
Environments

Operating Temperature	-15 ~ 50 °C, Ambient
Operating Humidity	5 ~ 95% RH, No Condensing
Storage Temperature	-20 ~ 85 °C, Ambient
Vibration	2G, 10~500Hz, 3 axes

- NOTE:
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
 2. Line regulation is measured from low line to high line at rated load.
 3. Load regulation is measured from 20% to 100% of rated load at 220VAC input.
 4. Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 220VAC input.
 5. Efficiency is measured at rated load and 220VAC input.
 6. Hold-up time is measured at rated load and 220VAC input.

The factory retained the right to modify all specifications without notice

Mechanical Details



Connection Terminal

Unit : mm
Dimension : 100(H) x 83(D) x 49(W)
Material : Aluminum
Color : Original Aluminum

Signal	Description
L	AC Live Input
N	AC Neutral Input
⊕	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
NC	No Connection Terminal
DC Voltage Monitor	Display Output Voltage
V adj.	Potentiometer For Output Voltage