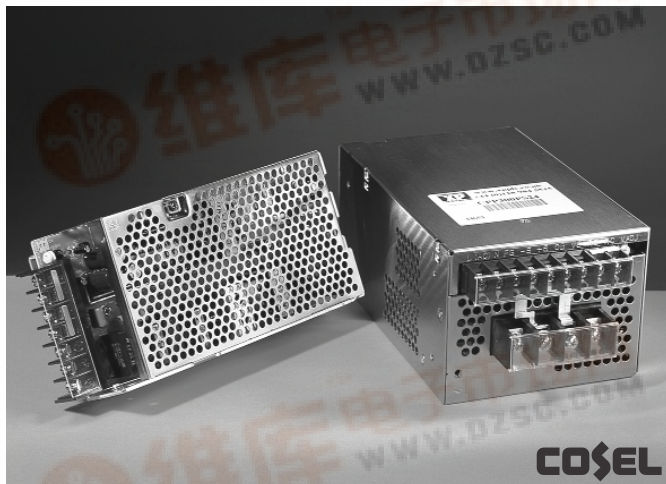


Single Output Enclosed Switchers

15-600 Watts CPP Series



THE XPERTS IN POWER

- 85-264 VAC Universal Input
- Single Outputs
- High Reliability
- Power Factor Corrected
- Remote Control Available
- Parallel Operation Available
- Din Rail Mounting Accessories Available

Specification

Input

- | | |
|-----------------|--|
| Input Voltage | • 85-264 VAC |
| Power Factor | • 0.95 typical (230 V) up to 0.99 at 100 V (CPP50 & above only) at full load |
| Input Frequency | • 47-63 Hz |
| Inrush Current | • 40 A max |

Output

- | | |
|-------------------------|---|
| Hold Up Time | • 20 ms typical at low line & full load (100 ms typical at 230 V) |
| Output Voltage | • See Table |
| Remote Control | • Standard on 300 & 600 watt models
Optional on all others add suffix '-R' |
| Voltage Adjustment | • $\pm 10\%$ trim min
(-5% to +20% 3 V models) |
| Line Regulation | • 0.4% max over input range |
| Load Regulation | • 0.8% max for 100% load change |
| Ripple & Noise | • 40 mV pk-pk typical (150 mV max) |
| Overload Protection | • Operates at >105% of rating & recovers automatically (300 & 600 W constant current) |
| Overvoltage Protection | • 115-140%
(except 3 V units : 4.00-5.25 V) |
| Temperature Coefficient | • 0.02%/°C |

General

- | | |
|--------------------|--|
| LED Indicator | • Indicates output on |
| Parallel Operation | • Master/Slave operation available - 300 & 600 watt models - Contact Sales for details |
| Efficiency | • Ranges 65% (3 V) to 80% (24 V) output |
| Leakage Current | • 0.75 mA max at 60 Hz |
| Mounting Options | • See DIN, Wall & Panel Mounting Accessories |

Environmental

- | | |
|-----------------------|---|
| Operating Temperature | • -10 °C to +65 °C, derate above 50 °C - Contact Office |
| Storage Temperature | • -20 °C to +75 °C |
| Relative Humidity | • 20-90% RH |
| Vibration | • 20 G, 11 ms once each X, Y & Z axis |

EMC & Safety

- | | |
|------------------|--|
| Safety Approvals | • EN60950, UL1950, CSA22.2 No. 234, VDE 0160 |
| Immunity | • IEC 1000-3-2 |
| EMC | • CISPR22 Level B, FCC Level B |

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OUTPUT VOLTAGE & CURRENT RATINGS

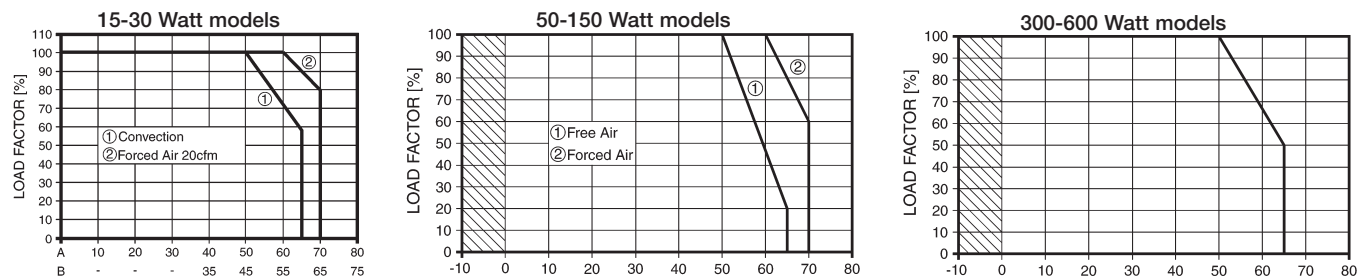
CPP

Voltage Power	3 Volts	5 Volts	12 Volts	15 Volts	24 Volts	48 Volts
15 Watts	-	CPP15US05 5 V @ 3.00 A	CPP15US12 12 V @ 1.30 A	CPP15US15 15 V @ 1.00 A	CPP15US24 24 V @ 0.70 A	CPP15US48 48 V @ 0.35 A
30 Watts	-	CPP30US05 5 V @ 6.00 A	CPP30US12 12 V @ 2.50 A	CPP30US15 15 V @ 2.00 A	CPP30US24 24 V @ 1.30 A	CPP30US48 48 V @ 0.63 A
50 Watts	CPP50PS03 3 V @ 10.00 A	CPP50PS05 5 V @ 10.00 A	CPP50PS12 12 V @ 4.30 A	CPP50PS15 15 V @ 3.50 A	CPP50PS24 24 V @ 2.20 A	CPP50PS48 48 V @ 1.10 A
75 Watts	CPP75PS03 3 V @ 15.00 A	CPP75PS05 5 V @ 15.00 A	CPP75PS12 12 V @ 6.30 A	CPP75PS15 15 V @ 5.00 A	CPP75PS24 24 V @ 3.20 A	CPP75PS48 48 V @ 1.60 A
100 Watts	CPP100PS03 3 V @ 20.00 A	CPP100PS05 5 V @ 20.00 A	CPP100PS12 12 V @ 8.50 A	CPP100PS15 15 V @ 7.00 A	CPP100PS24 24 V @ 4.50 A	CPP100PS48 48 V @ 2.10 A
150 Watts	CPP150PS03 3 V @ 30.00 A	CPP150PS05 5 V @ 30.00 A	CPP150PS12 12 V @ 13.00 A	CPP150PS15 15 V @ 10.00 A	CPP150PS24 24 V @ 6.50 A	CPP150PS48 48 V @ 3.30 A
300 Watts	CPP300PS03 3 V @ 60.00 A	CPP300PS05 5 V @ 60.00 A	CPP300PS12 12 V @ 27.00 A	CPP300PS15 15 V @ 22.00 A	CPP300PS24 24 V @ 14.00 A	CPP300PS48 48 V @ 7.00 A
600 Watts	CPP600PS03 3 V @ 120.00 A	CPP600PS05 5 V @ 120.00 A	CPP600PS12 12 V @ 53.00 A	CPP600PS15 15 V @ 43.00 A	CPP600PS24 24 V @ 27.00 A	CPP600PS48 48 V @ 13.00 A

Notes

- 300 & 600 watt models have cover and integral cooling fan as standard.
- 50-150 watt models can have remote control, add suffix '-R' to the model number.
- DIN rail mounting brackets and mounting plates available.

Derating Curves

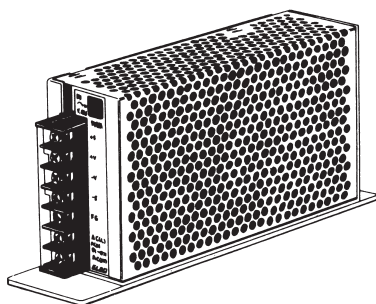


Ambient Temperature(°C) A : Open Frame B : Cover Attached. Derating test has not been conducted by CSA

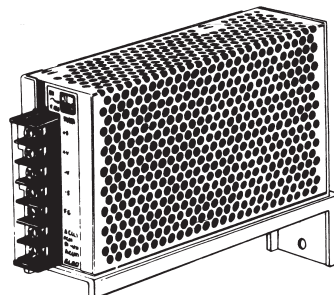
NOTE: Curves are shown for units mounted in the normal mounting orientation with the connector strip vertical. Check with technical sales for derating when mounted in other planes

Mounting Plates & Brackets

Base Plate Fixing for CPP50-150



Wall Fixing for CPP50-150



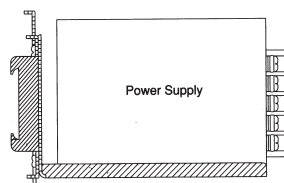
Model	Part No.
CPP50	F-K50-1
CPP100	F-P100-1
CPP150	F-P150-1

Model	Part No.
CPP50	F-K50-2
CPP100	F-P100-2
CPP150	F-P150-2

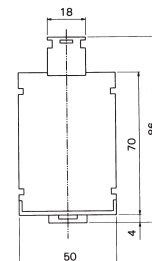
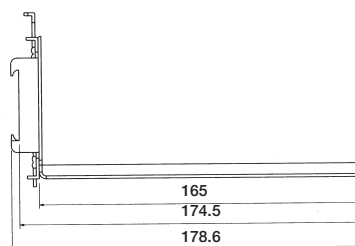
DIN Rail Mounting

Suitable for 35 mm top hat style DIN rails.
DIN Rail Mounting Clips are also available.

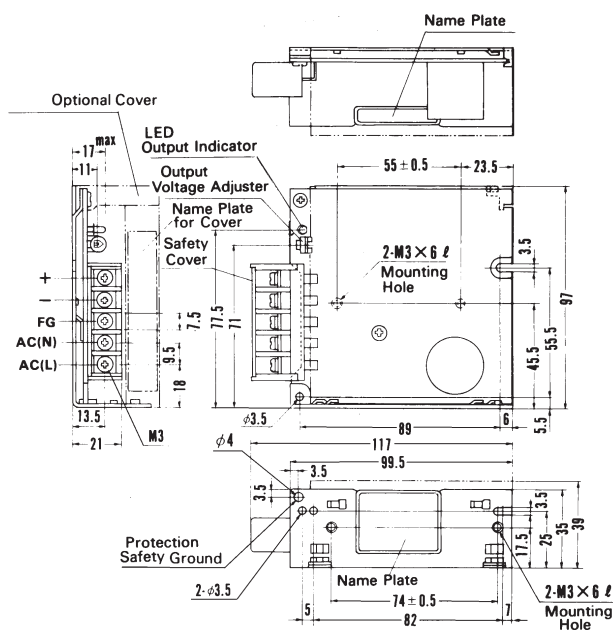
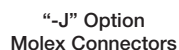
Note: For OEM quantities a low cost clip on version is available - call sales office



Model	Part No.
CPP15	F-DIN-1
CPP30	F-DIN-2
CPP50	F-DIN-2



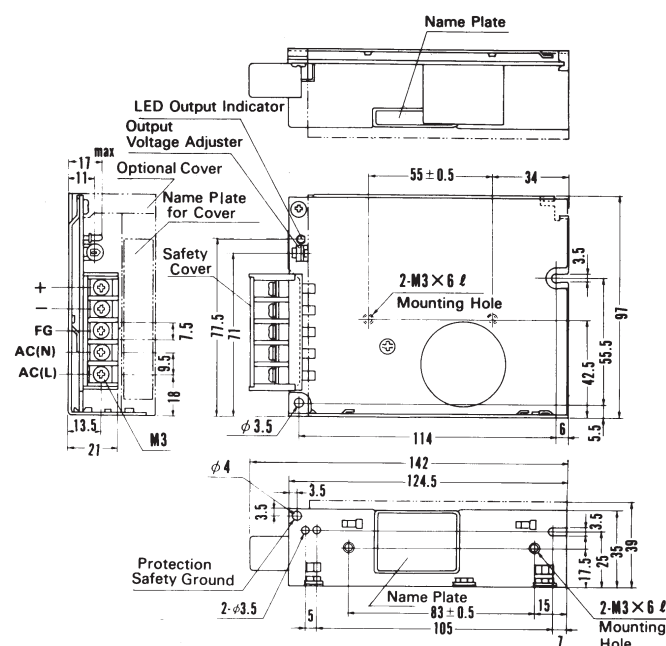
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- * Weight: 0.3 kg.
- * Cover is optional.
- * Tolerance: ± 1 .
- * Dimensions in mm.

I/O Connector		Mating Connector (Terminal)
CN1	5289-4A	2390V4(5167) 5199-04(5194)
CN2	5277-4A	5265-04(5167) 5196-04(5194)

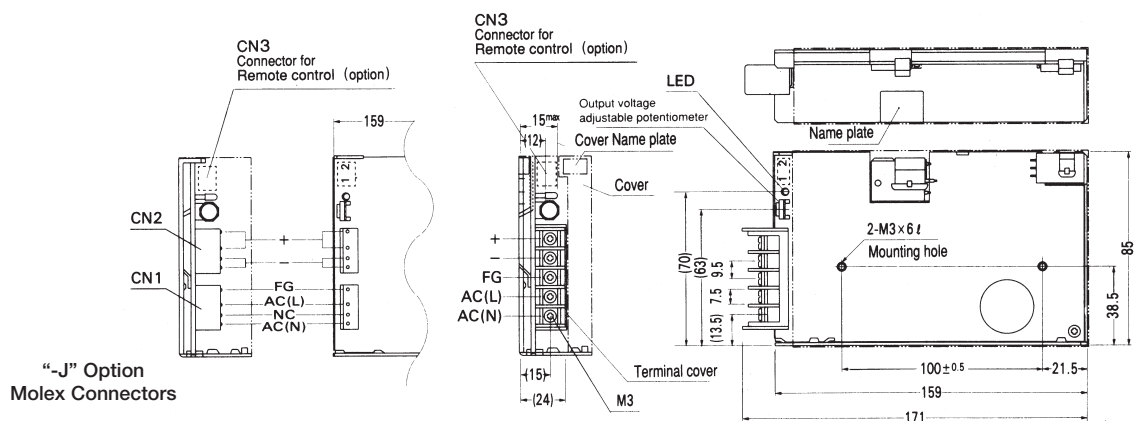
Mechanical Details - 30 Watt Models



- * Weight: 0.4 kg.
- * Cover is optional.
- * Tolerance: ± 1 .
- * Dimensions in mm.

I/O Connector		Mating Connector (Terminal)
CN1	5289-4A	2390V4(5167) 5199-04(5194)
CN2	5277-4A	5265-04(5167) 5196-04(5194)

Mechanical Details - 60 Watt Models



CONNECTOR & TERMINAL BLOCK TYPE

CN3 option (Mfr:JST).

Model B2B-XH-A

Mating Connector (Terminal)

XHP2

(BXH-001T-P0.6 or SXH001T-P0.6)

Molex Connector

I/O Connector	Mating Connector (Terminal)
CN1 5289-4A	2390V4(5167) 5199-04(5194)
CN2 5277-4A	5265-04(5167) 5196-04(5194)

Pin Assignment

Pin No.	Function
1	RC (-)
2	RC (+)

Weight: 0.4 kg.

Cover is optional.

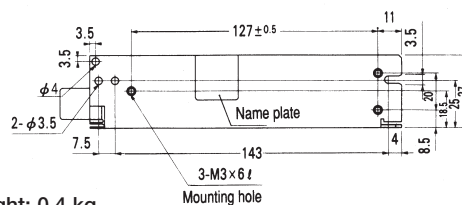
Tolerance: ±1.

Dimensions in mm.

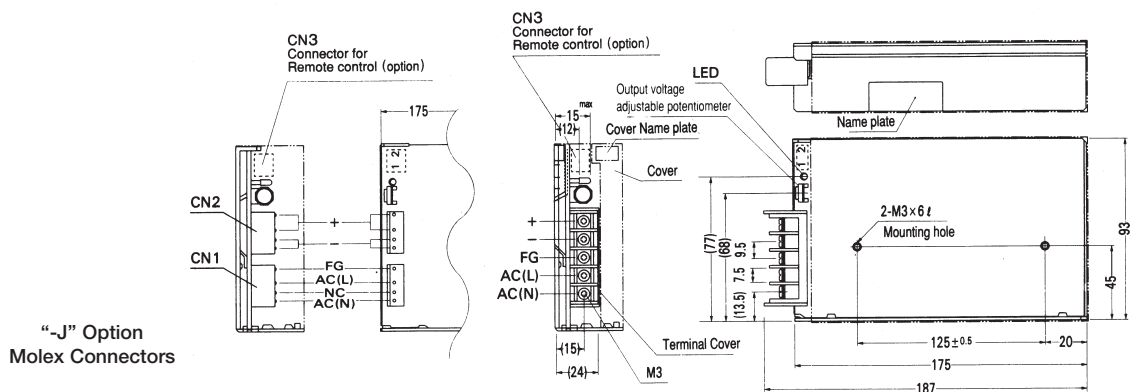
DIN Rail bracket option available, order part no. F-DIN-2.

Base plate fixing option available, order part no. F-CPP50-1.

Wall fixing option available, order part no. F-CPP50-2.



Mechanical Details - 75 Watt Models



CONNECTOR & TERMINAL BLOCK TYPE

CN3 option (Mfr:JST).

Model B2B-XH-A

Mating Connector (Terminal)

XHP2

(BXH-001T-P0.6 or SXH001T-P0.6)

Molex Connector

I/O Connector	Mating Connector (Terminal)
CN1 5289-4A	2390V4(5167) 5199-04(5194)
CN2 5277-4A	5265-04(5167) 5196-04(5194)

Pin Assignment

Pin No.	Function
1	RC (-)
2	RC (+)

Weight: 0.5 kg.

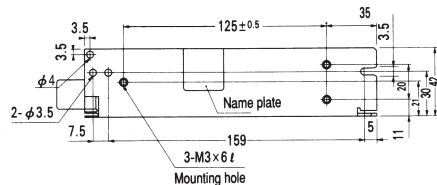
Cover is optional.

Tolerance: ±1.

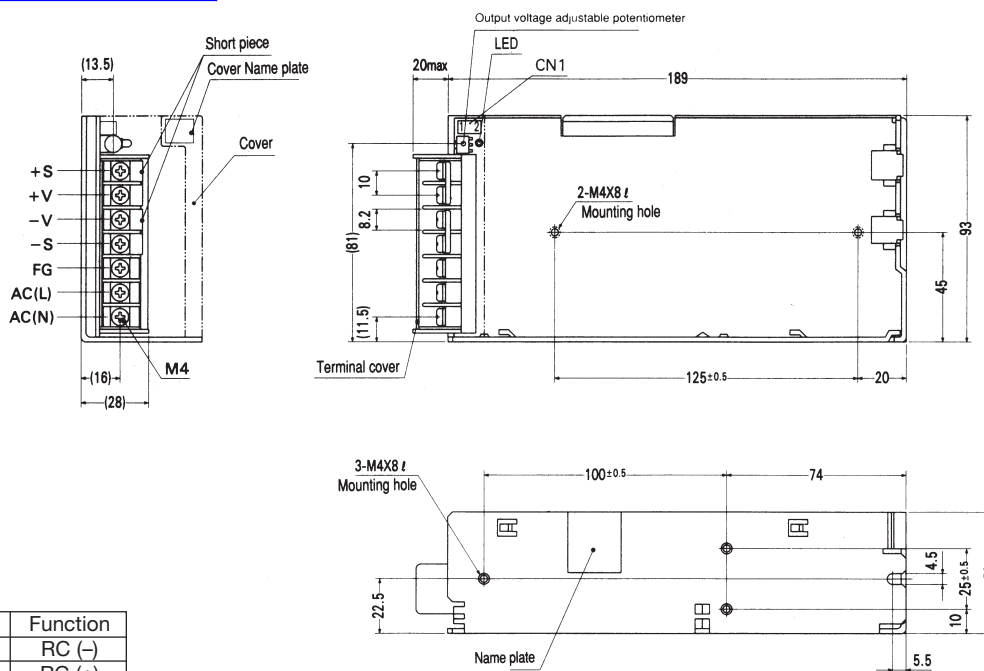
Dimensions in mm.

Base plate fixing option available, order part no. F-CPP75-1.

Wall fixing option available, order part no. F-CPP75-2.



Mechanical Details - 100 Watt Models



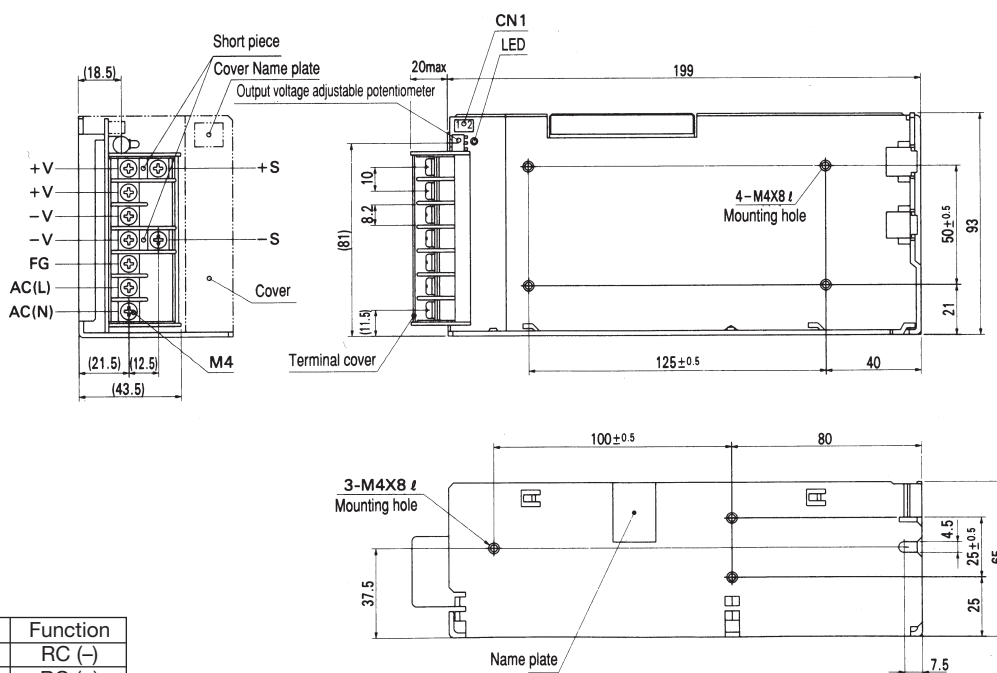
CN1

Pin No.	Function
1	RC (-)
2	RC (+)

CN1 (Connector for remote control)
 Type: B2B-XH-A
 Mating Connector (Terminal)
 Mfr: JST
 XHP-2
 (BXH-001T-P0.6 or SXH-001T-P0.6)

Weight: 0.7 kg.
 Cover is optional.
 Tolerance: ± 1 .
 Dimensions in mm.
 Base plate fixing option available, order part no. F-CPP100-1.
 Wall fixing option available, order part no. F-CPP100-2.

Mechanical Details - 150 Watt Models



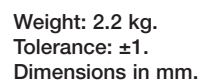
CN1

Pin No.	Function
1	RC (-)
2	RC (+)

CN1 (Connector for remote control)
 Type: B2B-XH-A
 Mating Connector (Terminal)
 Mfr: JST
 XHP-2
 (BXH-001T-P0.6 or SXH-001T-P0.6)

Weight: 0.9 kg.
 Cover is optional.
 Tolerance: ± 1 .
 Dimensions in mm.
 Base plate fixing option available, order part no. F-CPP150-1.
 Wall fixing option available, order part no. F-CPP150-2.

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Mechanical Details - 600 Watt Models

