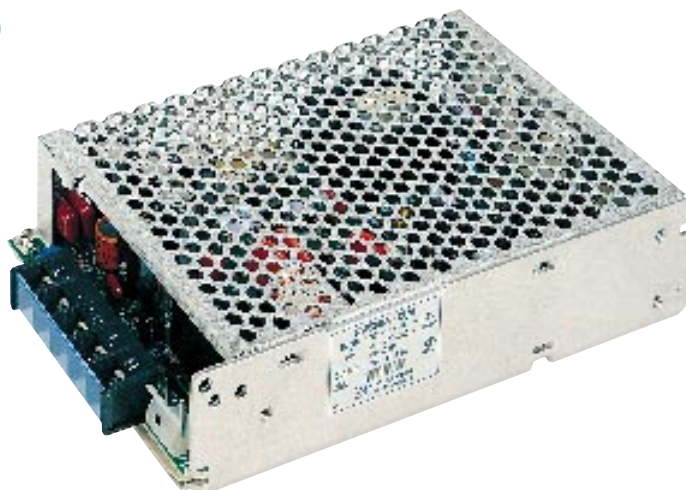


15-150W SINGLE OUTPUT

FEATURES



- Worldwide input voltage range
- Complies with UL, CSA, IEC, EN
- EMC meets FCC, VDE
- DC "On" LED
- Available with or without cover

ELECTRICAL SPECIFICATION

Model No.	Case size	Max Power	Output	
		Watts	Volts	Amps
RWS 15A-5	15A	15	5	3.0
RWS 30A-5	30A	30		6.0
RWS 50A-5	50A	50		10.0
RWS 100A-5	100A	100		20.0
RWS 150A-5	150A	150		30.0
RWS 15A-12	15A	15.6	12	1.3
RWS 30A-12	30A	30.0		2.5
RWS 50A-12	50A	50.4		4.2
RWS 100A-12	100A	102		8.5
RWS 150A-12	150A	156		13.0
RWS 15A-15	15A	15	15	1.0
RWS 30A-15	30A	30		2.0
RWS 50A-15	50A	51		3.4
RWS 100A-15	100A	105		7.0
RWS 150A-15	150A	150		10.0
RWS 15A-24	15A	16.8	24	0.7
RWS 30A-24	30A	31.2		1.3
RWS 50A-24	50A	50.4		2.1
RWS 100A-24	100A	108		4.5
RWS 150A-24	150A	156		6.5
RWS 15A-48	15A	14.4	48	0.3
RWS 30A-48	30A	28.8		0.6
RWS 50A-48	50A	48.0		1.0
RWS 100A-48	100A	100.8		2.1
RWS 150A-48	150A	153.6		3.2

OPTIONS

- ☐ : Barrier strip
☒ A : Barrier strip and cover
☐ B : Molex connector
☐ C : Molex connector and cover
 e.g RWS 15A-5/A: Barrier strip and cover option.
 RWS 50A-24/C: Molex connector and cover option.
 Note: Option B and C only available on RWS 15A, 30A and 50A.
 Connector option is not available for RWS 100A and 150A.

Operating Temperature Range (with Cover).

RWS 15A, RWS 30A, RWS 50A - 0 to 45°C (100%), 50°C (80%), 60°C (50%);
 RWS 100A, RWS 150A - 0 to 40°C (100%), 50°C (80%), 60°C (40%).

Sizes (with options A & C)

RWS 15A-xx/A or C: 39.0 x 97.0 x 99.0
 RWS 30A-xx/A or C: 39.0 x 97.0 x 124.0
 RWS 50A-xx/A or C: 37.0 x 97.5 x 159.0
 RWS 100A-xx/A: 50.0 x 93.0 x 188.0
 RWS 150A-xx/A: 65.0 x 93.0 x 198.0

ACCESSORIES

DIN Rail Mounting Brackets
 L-DIN30 (suitable for 15A/30A)
 L-DIN50 (suitable for 50A)

For designs of 50A, 100A, 150A requiring this spec use JWS series (see page 34)

OUTLINE SPECIFICATION

Input

Input voltage range	85-265VAC wide range for RWS 15A, 30A. 85-132/170-265VAC selectable for RWS 50A, 100A, 150A
Input frequency	47-440Hz
Inrush current	40A pk on RWS 15A, RWS 30A; 32A pk on RWS 50A; 30A pk on RWS 100A, RWS 150A at 200VAC
Input protection	Fuse
DC input	110-330VDC on RWS 15A, 30A. 230-330VDC on RWS 50A, 100A, 150A

Output

Rating (natural convection)	15W to 150W
Output adjust range	±10%
Line regulation	0.4%
Load regulation	0.8%
Hold-up (min)	20mS, 100VAC
PARD	pk-pk
RWS 15A, 30A, 50A	120mV on 5V models. 150mV on 12V/15V models 200mV on 24V models. 300mV on 48V models
RWS 100A, 150A	120mV on 5V models. 150mV on 12V/15V/24V models 200mV on 48V models
Temperature coefficient	1% typ

Output continued

Overvoltage protection	Standard
Overload protection	Current limit
Remote sensing	On RWS 100A, 150A

General

Efficiency	71% to 84%
Isolation voltage	Input-output 3kVAC Input-ground 2kVAC Output-ground 500VAC
MTBF	Consult Technical Sales

Environmental

Operating temperature	0°C to +60°C
Derating	RWS15A-50A: 0-50°C (100%), 60°C (60%) RWS100A-150A: 0-50°C (100%), 60°C (50%)
Storage temperature	-30°C to +85°C
Operating humidity	30%-90% RH
Storage humidity	10%-95% RH
Shock	less than 20G
Vibration	less than 2G

Safety Approvals †

UL1950, CSA 22.2 No: 234, IEC950, EN60950, CE marked for LVD

† Check with Technical Sales for current status of approvals

EMC

Meets FCC 20780 class A

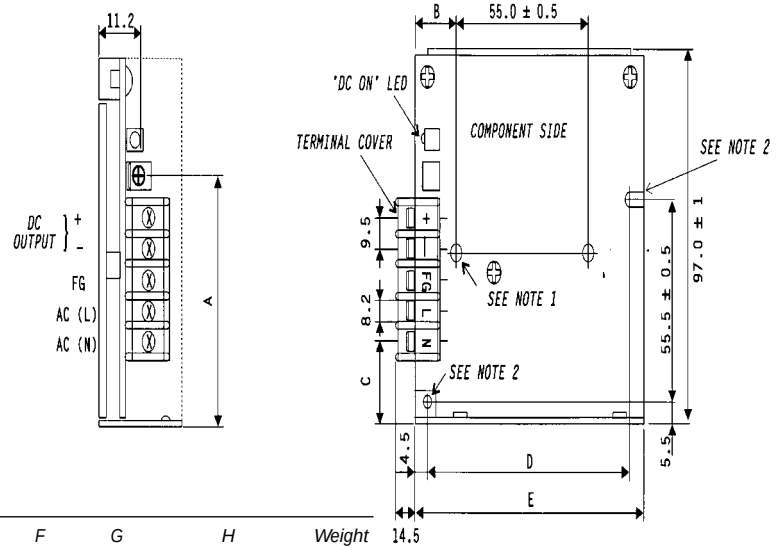
Warranty

Warranty 1 year including parts and labour

All specifications guaranteed worst case unless otherwise noted.

PHYSICAL SPECIFICATION

CASE 15A, 30A



Model	Dimension								Weight
	A	B	C	D	E	F	G	H	
RWS 15A	66.5	20.5	17.5	89.0 ± 0.5	98.5 ± 1	18.0	74.0 ± 0.5	87 ± 0.5	270g
RWS 30A	69.0	31.5	17.0	112.0 ± 0.5	121.5 ± 0.5	21.5	83.0 ± 0.5	105 ± 0.5	310g

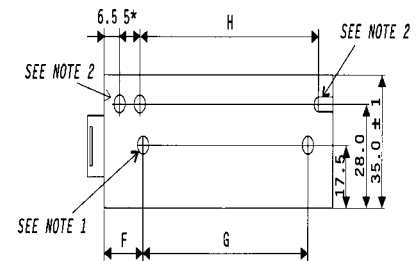
Notes

1.M3 tapped holes (4) for customer chassis mounting

2.ø 3.5 holes (4) for customer chassis mounting.

All dimensions in millimetres.

* RWS/A 30A only.



PHYSICAL SPECIFICATION

CASE 50A

Shorting Plug	(50A)
Housing	5265-02 Molex Net 1
Terminals	5167-PBT Molex Net 2
Hand Crimping Tool	JHTR2445A

Notes

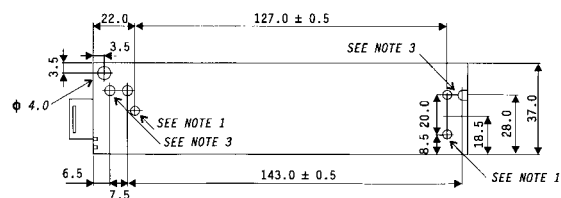
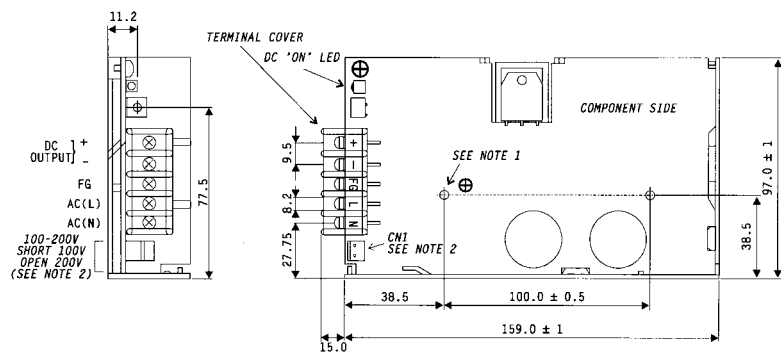
1.M3 tapped holes (5) for customer chassis mounting

2.Input voltage selection: 100-120VAC: Short CN1 with shorting plug; 200-240VAC:

Open CN1

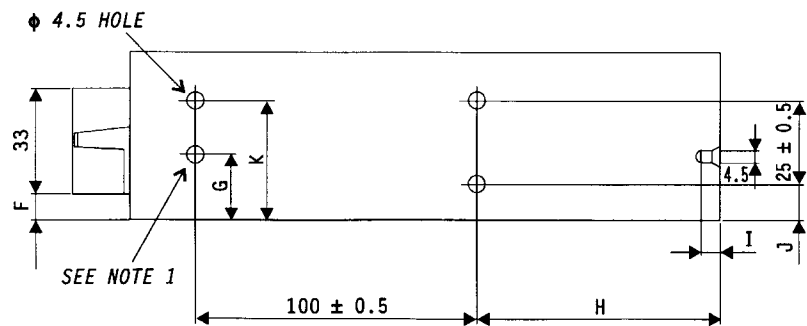
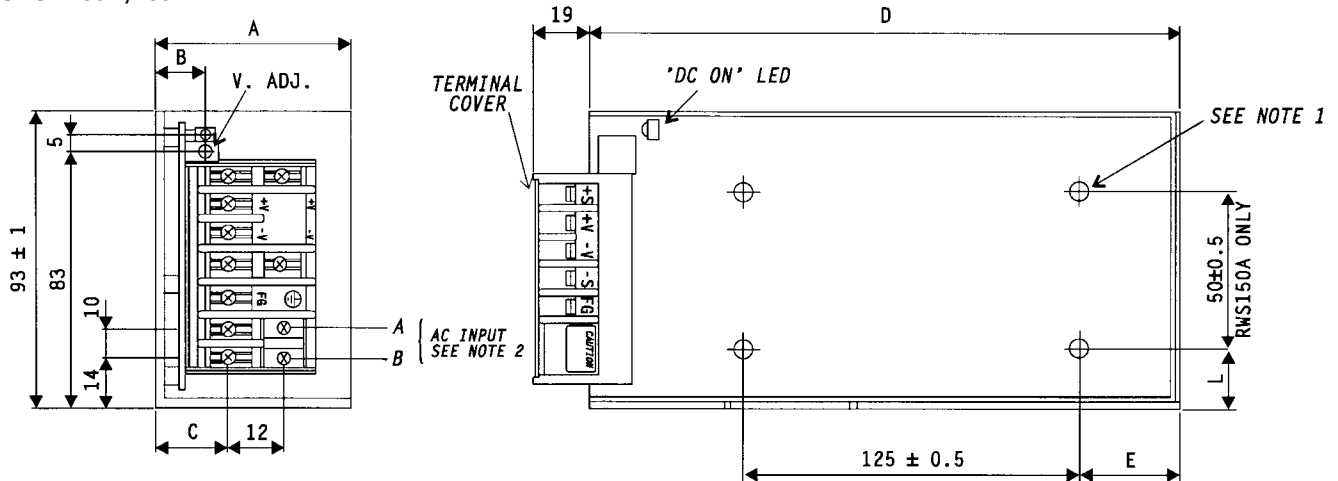
3.ø 3.5 holes (3) for customer chassis mounting

4.Weight: 380g



PHYSICAL SPECIFICATION

CASE 100A, 150A



Model	Dimension												Weight
	A	B	C	D	E	F	G	H	I	J	K	L	
100A	50 ± 1	12.5	20.5	188 ± 1	20	7.6	22.5	74	5.5	10	37.5	45	690g
150A	65 ± 1	16.5	24.5	198 ± 1	40	11.6	37.5	80	7.5	25	57.0	21	890g

Notes

1. M4 embossed and tapped holes (7) for customer chassis mounting.

(5) on RWS 100A

2.AC input voltage. A-B short 85-132VAC; A-B open 170-265VAC

3.Weight: RWS 100A 690g, 150A 890g

All dimensions in millimetres