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along with credit for buybacks and trade-ins.

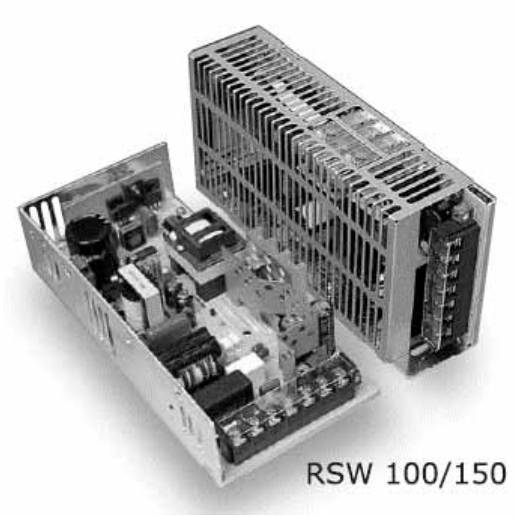
Custom engineering
so your equipment works exactly as you specify.

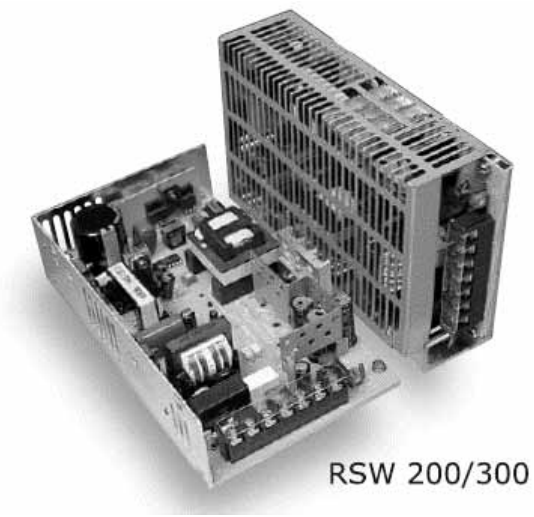
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Expert team | Trust guarantee | 100% satisfaction

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FEATURES

*Resonant switchers, power factor correction and main converter

*Power factor correction up to 0.99, meeting IEC61000 -3-2(EN61000-3-2)

*85 to 264VAC universal input

*High efficiency up to 90%

*Low EMI, Meeting FCC B, CISPR B

SAFETY STANDARDS

UL1950 Recognized

CSA22.2 No.950 Certified (cUL)

EN60950 (TUV Certified)

CE mark (LVD only)

APPLICATIONS

*Data / information processing equipment

* FA control equipment

*Measuring, inspection and testing equipment

*Communication equipment

*Optical equipment

RSW SERIES GENERAL SPECIFICATIONS

	ITEM	
1	Input voltage range	85V ~ 264VAC
2	Input frequency range	47Hz ~ 63Hz
3	Operating temperature	-10 ~ 60ºC (Refer to Output derating)
4	Operating humidity	30 ~ 90%RH (Non condensing)
5	Storage temperature	-30 ~ 85ºC
6	Storage humidity	10 ~ 95%RH (Non condensing)
7	Cooling	Convection or forced air cooling (Refer to Output derating)
8	Electric strength voltages	Input – Output 3000VAC 1 minute, Input –FG 1500VAC 1minute, Output –FG 500VAC 1minute
9	Insulation resistance	100MΩ MIN DC500V 25ºC 70%RH Input – Output, Input –FG, Output -FG
10	Leakage current	0.5mA MAX (240VAC, 50Hz)
11	Vibration	10 ~ 55Hz 2G (3 directions each 1 hour)
12	Shock	20 ms 20G (3 directions each 3 times)
13	Safety standards	UL1950, CSA950 (cUL), EN60950 (TUV) Approvals
14	Conduction noise	Meeting FCC Class B, EN55022 Class B, VCCI Class B
15	Harmonic distortion	Meeting EN61000-3-2
16	Mains surge	Meeting EN61000-4-5 Level 3 / 4KV (CM), 2KV (DM)

RSW100 SPECIFICATIONS

RSW 100 SPECIFICATIONS

	ITEM		RSW100-5	RSW100-12	RSW100-24
1	Rated output DC voltage		5V	12V	24V
2	Rated output DC current	*5	20A	8.4A	4.2A
3	Maximum output power	*5	100W	100.8W	100.8W
4	Efficiency (120/230VAC, TYP)	*1	78% / 80%	84% / 85	84% / 85%
5	Input current	*1	1.6A (100VAC), 0.8A (240VAC)		
6	Power factor	*1	0.99 TYP (100VAC), 0.95 TYP (230VAC)		
7	Inrush current	*2	19Apk MAX (120VAC), 36Apk MAX (240VAC)		
8	Adjustable voltage range	*1	4.9 ~ 5.5V	11.7 ~ 13.2V	23.5 ~ 26.4V
9	Maximum ripple noise		50mVpp	120mVpp	240mVpp
10	Maximum line regulation		±0.01%		
11	Maximum load regulation		±0.1%		
12	Voltage tolerance ratio		±3% at line, load, time, temperature		
13	Hold-up time	*1	20ms MIN, after last AC line peak		
14	Over current protection	*3	21A ~	8.8A ~	4.4A ~
15	Over voltage protection	*4	5.75V ~	13.8V ~	27.6V~
16	Dimensions		96.2 (W) 200 (D) 50(H) mm/3.79”(W) 7.87”(D) 1.97”(H)		
17	Weight		750g / 1.65lb. TYP		

RSW100 SPECIFICATIONS

RSW 150 SPECIFICATIONS

	ITEM		RSW150-5	RSW150-12	RSW150-24
1	Rated output DC voltage		5V	12V	24V
2	Rated output DC current	*5	30A	12.5A	6.3A
3	Maximum output power	*5	150W	150W	151.2W
4	Efficiency (120/230VAC, TYP)	*1	78% / 80%	85% / 86%	85% / 86%
5	Input current	*1	2.4A (100VAC), 1.2A (240VAC)		
6	Power factor	*1	0.99 TYP (100VAC), 0.95 TYP (230VAC)		
7	Inrush current	*2	19Apk MAX (120VAC), 36Apk MAX (240VAC)		
8	Adjustable voltage range	*1	4.9 ~ 5.5V	11.7 ~ 13.2V	23.5 ~ 26.4V
9	Maximum ripple noise		50mVpp	120mVpp	240mVpp
10	Maximum line regulation		±0.01%		
11	Maximum load regulation		±0.1%		
12	Voltage tolerance ratio		±3% at line, load, time, temperature		
13	Hold-up time	*1	20ms MIN, after last AC line peak		
14	Over current protection	*3	31.5A ~	13.1A ~	6.6A
15	Over voltage protection	*4	5.75V ~	13.8V ~	27.6V ~
16	Dimensions		96.2 (W) 200 (D) 50(H) mm/3.79”(W) 7.87”(D) 1.97”(H)		
17	Weight		750g / 1.65lb. TYP		

Notes

*1 When maximum output is worked

*2 When cold start works with rated voltage at 25ºC ambient temperature

*3 Recovers automatically within 3 seconds, after on input again

*4 Recovers on input again

*5 Open frame (without cover), refer to Output derating

RSW200 SPECIFICATIONS

RSW 200 SPECIFICATIONS

	ITEM		RSW200-12	RSW200-24	RSW200-48
1	Rated output DC voltage		12V	24V	48V
2	Rated output DC current	*5	16.7A	8.4A	4.2A
3	Maximum output power	*5	200.4W	201.6W	201.6W
4	Efficiency (120/230VAC, TYP)	*1	87% / 88%	87% / 90%	88% / 91%
5	Input current	*1	2.8A (100VAC), 1.3A (240VAC)		
6	Power factor	*1	0.99 TYP (100VAC), 0.95 TYP (230VAC)		
7	Inrush current	*2	12Apk MAX (120VAC), 24Apk MAX (240VAC)		
8	Adjustable voltage range	*1	11.7 ~ 13.2V	23.5 ~ 26.4V	47 ~ 52.8V
9	Maximum ripple noise		120mVpp	240mVpp	480mVpp
10	Maximum line regulation		±0.01%		
11	Maximum load regulation		±0.1%		
12	Voltage tolerance ratio		±3% at line, load, time, temperature		
13	Hold-up time	*1	20ms MIN, after last AC line peak		
14	Over current protection	*3	17.5A ~	8.8A ~	4.4A ~
15	Over voltage protection	*4	13.8V ~	27.6V ~	55.2V ~
16	Dimensions		119.2 (W) 200 (D) 53(H) mm/4.69”(W) 7.87”(D) 2.09”(H)		
17	Weight		950g / 2.09lb. TYP		

RSW300 SPECIFICATIONS

RSW 300 SPECIFICATIONS

	ITEM		RSW300-12	RSW300-24	RSW300-48
1	Rated output DC voltage		12V	24V	48V
2	Rated output DC current	*5	25A	12.5A	6.3A
3	Maximum output power	*5	300W	300W	302.4W
4	Efficiency (120/230VAC, TYP)	*1	86% / 89%	89% / 92%	89% / 92%
5	Input current	*1	4.2A (100VAC), 2.2A (240VAC)		
6	Power factor	*1	0.99 TYP (100VAC), 0.95 TYP (230VAC)		
7	Inrush current	*2	12Apk MAX (120VAC), 24Apk MAX (240VAC)		
8	Adjustable voltage range	*1	11.7 ~ 13.2V	23.5 ~ 26.4V	47 ~ 52.8V
9	Maximum ripple noise		120mVpp	240mVpp	480mVpp
10	Maximum line regulation		±0.01%		
11	Maximum load regulation		±0.1%		
12	Voltage tolerance ratio		±3% at line, load, time, temperature		
13	Hold-up time	*1	20ms MIN, after last AC line peak		
14	Over current protection	*3	26.2A ~	13.1A ~	6.6A ~
15	Over voltage protection	*4	13.8V ~	27.6V ~	55.2V ~
16	Dimensions		119.2 (W) 200 (D) 53(H) mm/4.69”(W) 7.87”(D) 2.09”(H)		
17	Weight		980g / 2.16lb. TYP		

Notes

*1 When maximum output is worked

*2 When cold start works with rated voltage at 25ºC ambient temperature

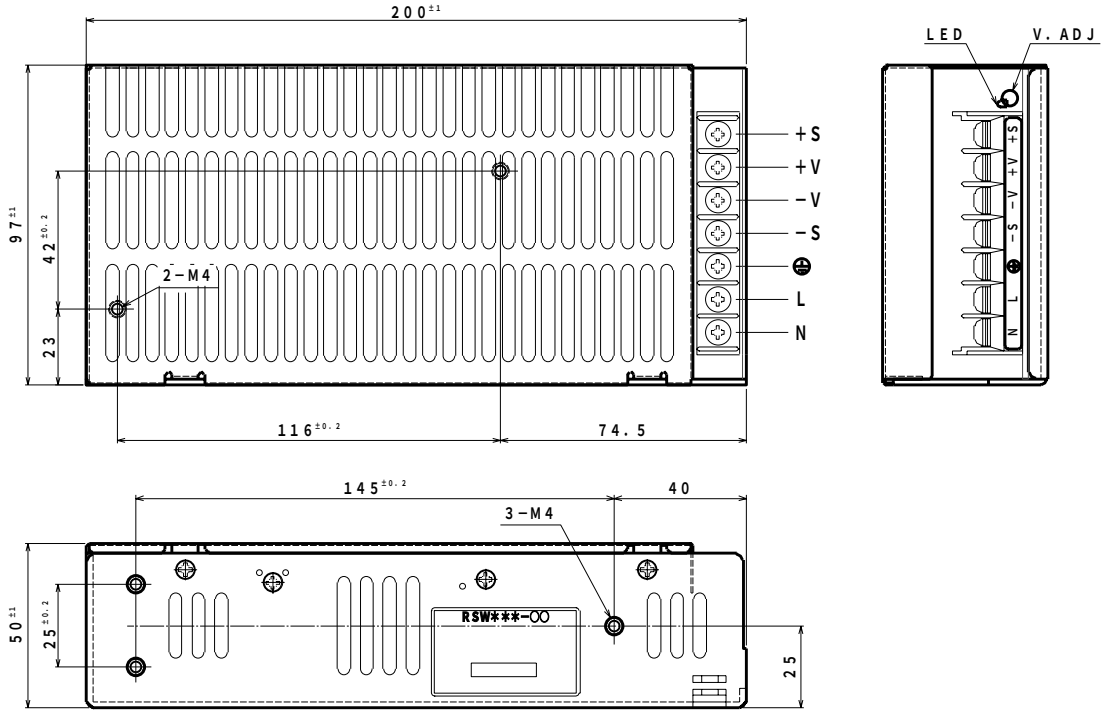
*3 Recovers automatically within 3 seconds, after on input again

*4 Recovers on input again

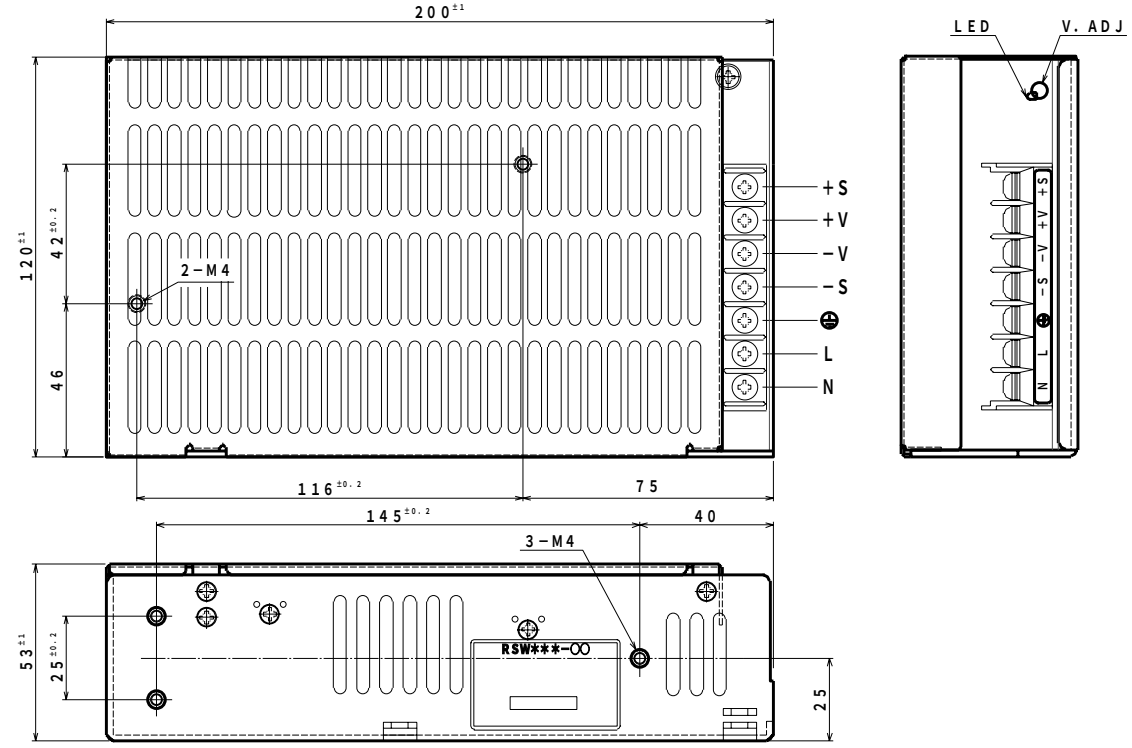
*5 Open frame (without cover), refer to Output derating

RSW SERIES OUTLINE DRAWING

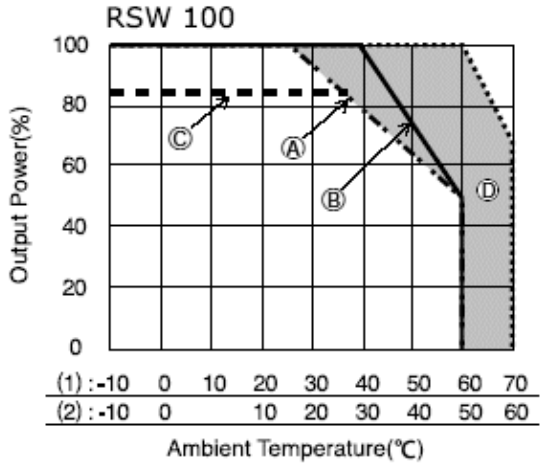
RSW 100 / 150



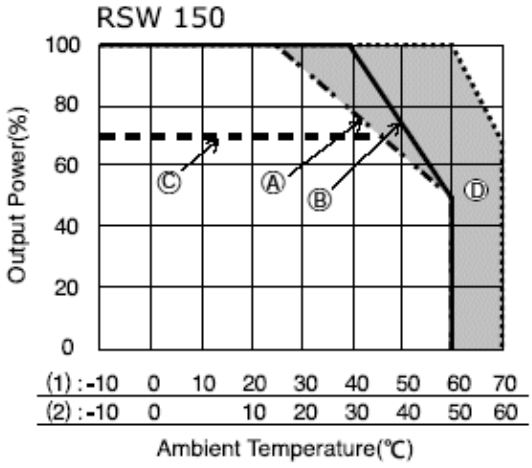
RSW 200 / 300



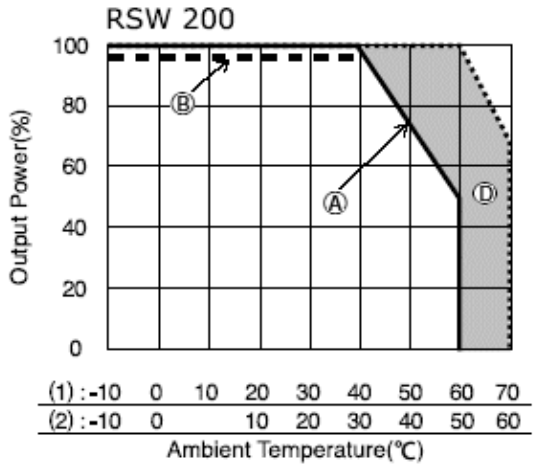
RSW SERIES OUTPUT DERATING



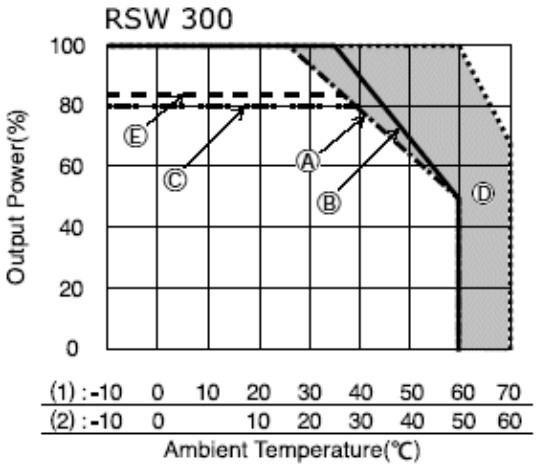
Ⓐ RSW100-5 open frame
Ⓑ RSW100-12,24
Ⓒ RSW100-5 with cover



Ⓐ RSW150-5 open frame
Ⓑ RSW150-12,24
Ⓒ RSW150-5 with cover

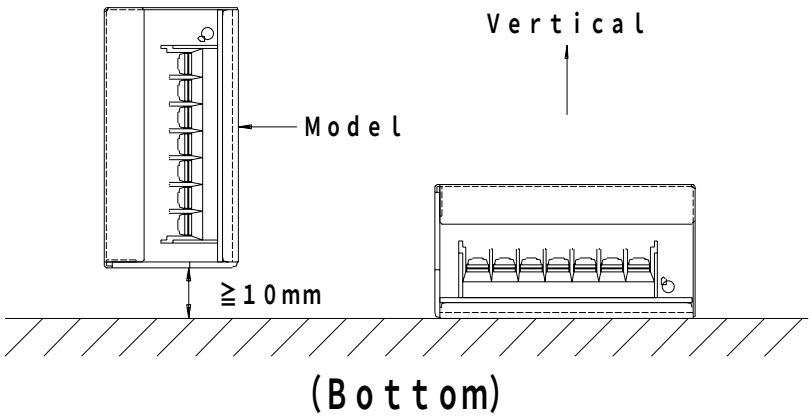


Ⓐ RSW200-12 open frame
RSW200-24,48
Ⓑ RSW200-12 with cover



Ⓐ RSW300-12 open frame
Ⓑ RSW300-24,48 open frame
Ⓒ RSW300-12 with cover
Ⓔ RSW300-24,-48 with cover

Mounting Direction (conv)



(1) Open Frame (2) with Cover
ⒶⒷⒸⒺ Conv Ⓓ F／Air

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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