

SA45

45 Watts

SA45 • Adapter Series

Total Power	45 Watts
Input Voltages	90 - 264 VAC
# of Outputs	Single



Product may vary slightly from photo.

SPECIAL FEATURES

- CE Mark
- Universal AC input
- Miniature size
- Fully regulated output
- Overload and short circuit protection
- Constant voltage/current/power
- High efficiency
- High MTBF
- IEC320 AC receptacle, 2 pin (type C8)
- Built in EMI filter (EN55022 Class B)
- EN61000-4-2, -4, -5

ENVIRONMENTAL

Operating temperature:
0°C to +40°C ambient

Storage temperature:
-10°C to +70°C

MTBF: >100,000 hours at full load and 25°C
ambient conditions

ELECTRICAL SPECIFICATIONS

Input

Input range 90 - 264 VAC (wide range)
Frequency 47 - 63 Hz
Input current 1.2A rms @ 90 VAC; 0.5A @ 264VAC
Efficiency >80% @ full load, 115VAC (DC Conversion)
EMI/RFI EN55022 Class B, FCC Part 15, Subpart B
Class B

Output

Voltage (Vo) 16V, 18V or 24V
Voltage regulation $\pm 5\%$ @ constant voltage mode
Current limit $\pm 5\%$ @ constant current mode
Maximum Power (Po) 45W
Hold-up time 5 ms. typical at full load @ 115VAC
Protection Over Voltage Protection (OVP), AC recycle
Short circuit protection: output short circuit
($<0.03 \text{ ohm}$), auto recovery
Cable/connector DC cable with 2.5mm center plug, barrel type
DC plug center +Ve; DC plug outer -Ve

Isolation

Double insulated per class 2 of EN60950

SAFETY

	<u>SA45-3123</u>	<u>SA45-3124</u>	<u>SA45-3129</u>
UL	1950	E132002	E132002
CSA	22.2 No.234	LR53982C	LR53982C
ERG-GS	(GS/77.00)	/0408/9703	/0284/9610
NEMKO	P97100686	P97100686	P96102693
MITI		91-53393	91-53577
CB		3501	3006
IEC	950		2853
EN	60950 / with Nordic deviation		
CE	EMC & LVD		

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ORDERING INFORMATION

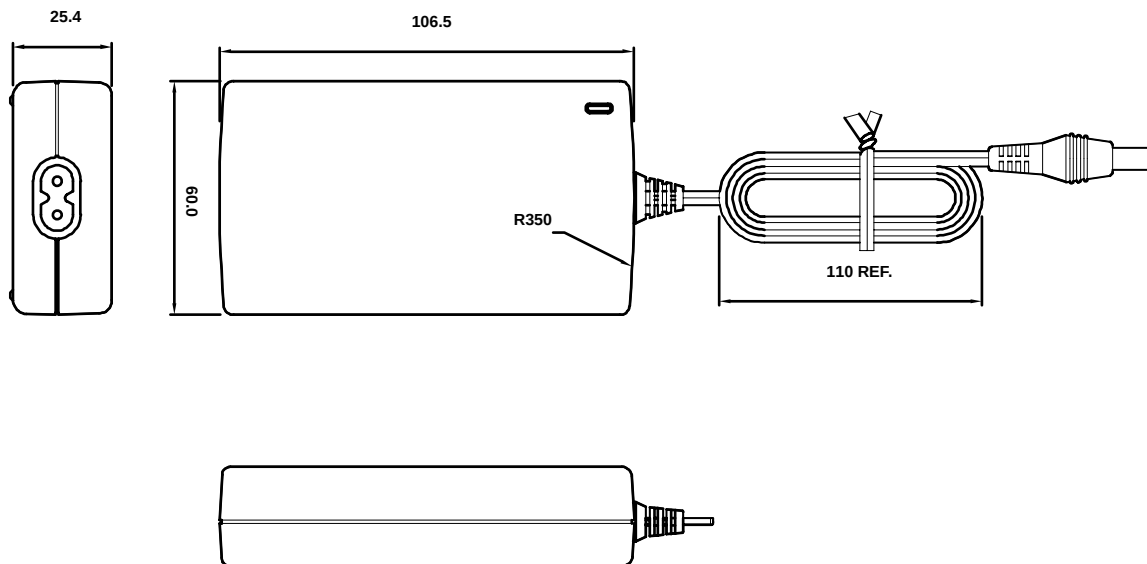
Model	Power Max	V _o	CV/CC ²	I _o min	I _o max	Ripple P/P (PARD) ¹	OVP max
SA45-3123	45W	16V	CV/CC	0 A	2.8 A	160 mV	22.6V
SA45-3124	45W	18V	CV only	0 A	2.5 A	180 mV	26.0V
SA45-3129	45W	24V	CV/CC	0 A	1.87 A	240 mV	32.0V

1. Peak-to-peak with 20 MHz bandwidth and 10 μ F in parallel with a 0.1 μ F capacitor.

2. CV - Constant Voltage

CC - Constant Current

DRAWINGS



NOTES

1. . Specification subject to change without notice.
2. . All dimensions are in mm.
3. . Warranty: 1 year
4. . Weight: 0.56 lb / 0.25 Kg

REV 12.4.97