

**NEW**  
**SA35**  
**35 WATTS**

**SA35 • Adapter Series**

<b>Total Power</b>	<b>35 Watts</b>
<b>Input Voltages</b>	<b>90 - 264 VAC</b>
<b># of Outputs</b>	<b>Single</b>



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 (CISPR 22 Class B)
- IEC801-2, -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 ..... 0.8A rms @ 90 VAC; 0.3A @ 264VAC  
 Efficiency ..... >80% @ full load, 115VAC (DC Conversion)  
 EMI/RFI ..... FCC Part 15, Subpart B Class B & CISPR 22

**Output**

Voltage (Vo) ..... 12V, 16V, 20V or 24V  
 Voltage regulation ..... ± 5% @ constant voltage mode  
 Current limit ..... ± 5% @ constant current mode  
 Maximum power (Po) ..... 35W  
 Power limit ..... +10% / -5% @ constant power mode  
 Hold-up time ..... 10 ms. typical at full load @ 115VAC  
 Protection ..... Over Voltage Protection (OVP), AC recycle  
 Short circuit protection: output short circuit (<0.03 ohm), auto recovery  
 Cable/connector ..... DC cable with 2.5mm center plug, barrel type DC plug center +Ve; DC plug outer -Ve

**SAFETY**

	<b>SA35-3130</b>	<b>SA35-3153/6/9</b>
<b>UL</b>	1950	E132002
<b>CSA</b>	22.2-234	LR53982C
<b>TUV</b>		N/A
<b>MITI</b>		91-52958
<b>IEC</b>	950	91-53577
<b>EN</b>	60950 / with Nordic deviation	
<b>CE</b>	EMC & LVD	
<b>VDE</b>		11774-3336-1230 N/A

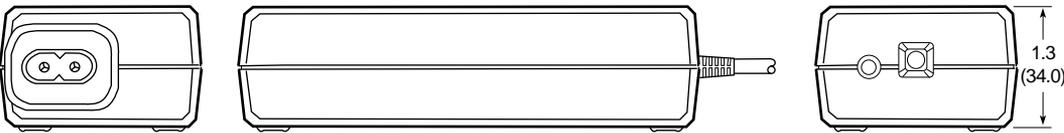
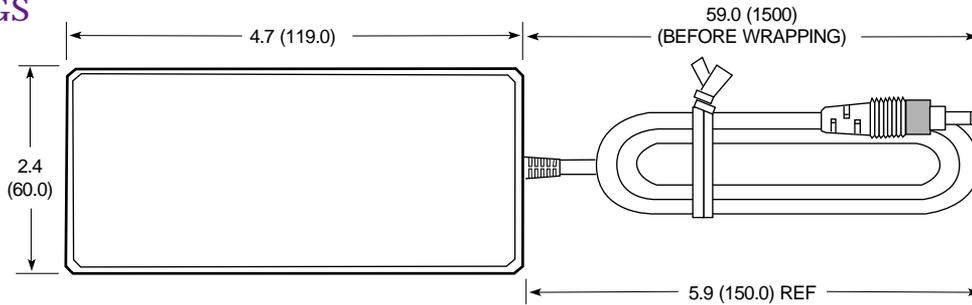
## ORDERING INFORMATION

Model	Power	Vo	CV/CC <sup>2</sup>	Io min	Io max <sup>3</sup>	Ripple P/P (PAR) <sup>1</sup>	OVP max	Size
SA35-3130	35W	12V	CV/CC	0 A	2.92 A	120 mV	16V	A
SA35-3153	35W	16V	CV/CP/CC	0 A	2.19 A	240 mV	24V	B
SA35-3156	35W	20V	CV/CP/CC	0 A	1.75 A	160 mV	28V	B
SA35-3159	35W	24V	CV/CP/CC	0 A	1.46 A	200 mV	32V	B

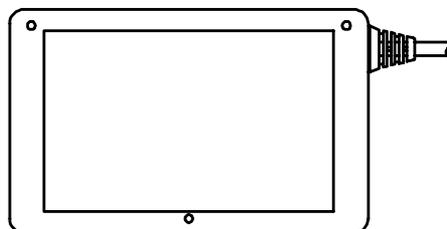
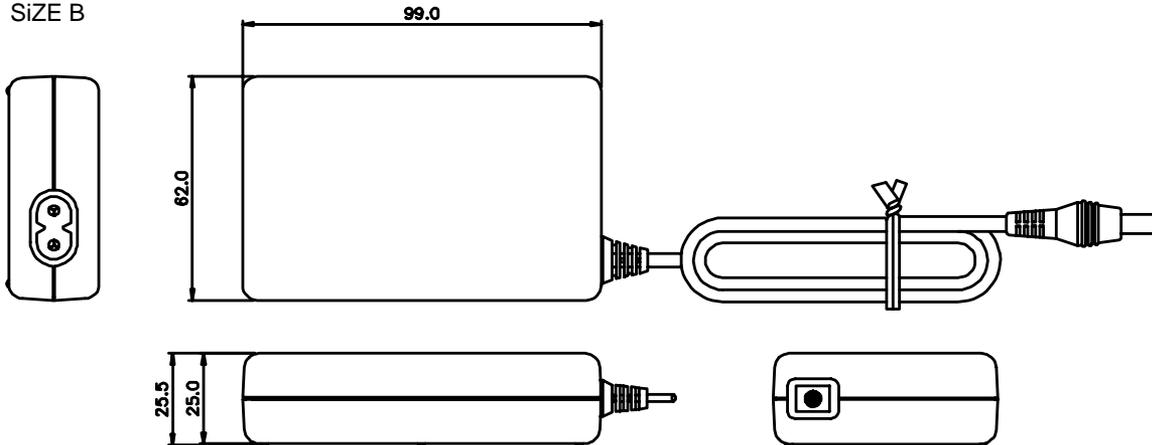
1. Peak-to-peak with 20 MHz bandwidth and 10  $\mu$ F in parallel with a 0.1  $\mu$ F capacitor.
2. CV - Constant Voltage: output loads up to Io maximum  
CC - Constant Current: output loads above Io maximum
3. Maximum output current at CV & CC modes

## DRAWINGS

SIZE A



SIZE B



## NOTES

1. Specification subject to change without notice.
2. All dimensions are in inches (mm).
3. Warranty: 1 year
4. Weight: Size A = 0.54 lb / 0.24 Kg  
Size B = 0.44 lb / 0.195 Kg