



1.26"x 2.4"x 6.14"

- Universal Input
- IEC320 Input Inlet
- Efficiency to 93%
- UL, CE
- ASA Products Meet CEC Level V standards
- FCC 15B, EN55022B EMC



Model Number	Output Voltage	Output Amps	OVP	Efficiency
SINGLE OUTPUT				
ASA120-12(T)*	12	10.00	15V	92% @ 230VAC input
ASA120-19(T)*	19	6.32	24V	93% @ 230VAC input
ASA120-24(T)*	24	5.00	31V	93% @ 230VAC input
ASA120-48(T)*	48	2.50	61V	93% @ 230VAC input

*Note: These products are available with optional 3 Pole IEC320-C6 Input Inlets (see **MECHANICAL DIMENSIONS**). To receive this option, simply add the letter "T" to the end of the Model Number. (i.e. **ASA120-12T**) Two pole IEC320-C8 are standard.



120 Watt External Switching Power Adapters

ASA120 series

INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC
Frequency Range	47-63 HZ
Input Current	1.40A @ 100VAC INPUT 0.63A @ 230VAC INPUT

OUTPUT SPECIFICATIONS

Voltage and Current	See Model Chart
Over Voltage Protection	See Model Chart
Over Current Protection (Note 1)	125% I _o
Over Temperature Protection (Note 2)	125°C
Load Regulation	5%
Line Regulation	0.5%
Ripple/Noise (Note 3)	1.5% V _o pk-pk
Turn-on Delay Time	2S @ full load and 90Vac input
Short Circuit Protection (Note 4)	
Hold Up Time	16mS @ full load and over the entire input range
Rise Time	25mS
Fall Time	30mS @ full load
Output Overshoot / Undershoot	10% When power on or off
Load Dynamic Response (Note 5)	
Output Deviation	5%V
Setting Time	10mS

GENERAL SPECIFICATIONS

Efficiency	See Model Chart
No load Power Dissipation	≤ 0.5 W @ 115Vac input ≤ 0.5 W @ 230Vac input
Safety	
CUL	UL60950-1
CE	EN60950-1
EMI Standards	EN55022:1998, +A1:2000, Class B CISPR 22:2003, Class B AS/NZS CISPR 22: 2004, Class B

All specifications are typical at nominal input, 100% load, and 25°C unless otherwise noted

* These are stress ratings. Exposure of the devices to any of these conditions may adversely affect long term reliability. Proper operation under conditions other than the standard operating conditions is neither warranted nor implied.

EMS Standards	EN 61000-3-2 EN 61000-3-3 EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8 EN 61000-4-11
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PHYSICAL SPECIFICATIONS

Size	
Inches	6.14"x 2.4"x 1.26"
Millimeters	156x 61x 32
Output Connector	4 Pin DIN
Weight	
LBS	1.1
Grams	500

ENVIRONMENTAL SPECIFICATIONS

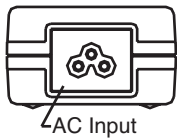
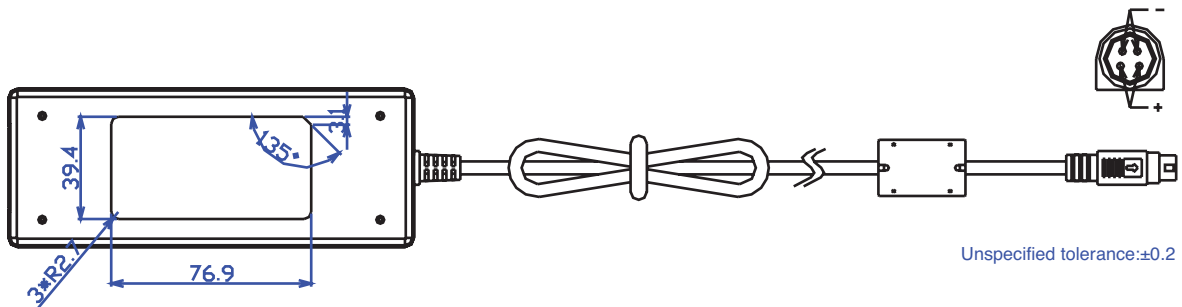
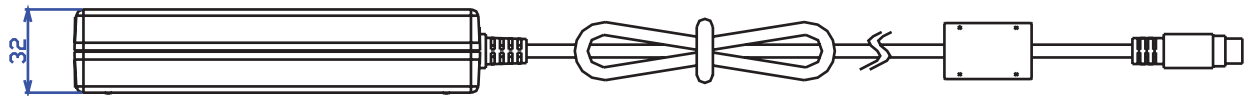
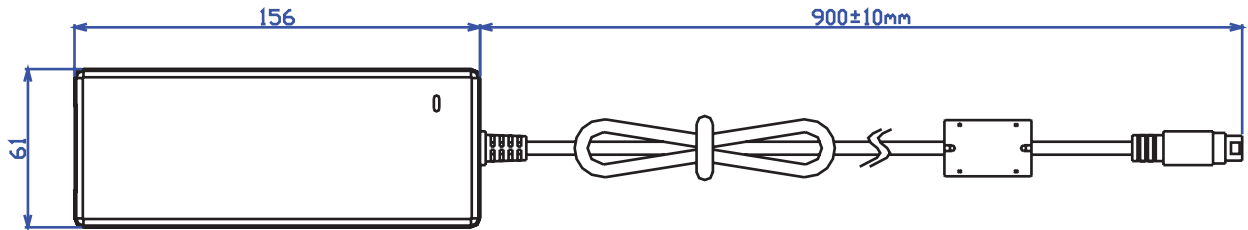
Oper. Temperature (Note 6)	0C to +40C
Storage Temperature (Note 7)	-20C to +80C
MTBF	150,000 hours

Notes:

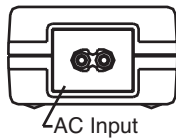
- Hiccup mode. The power supply shall self recover when the fault condition is removed.
- Maximum temperature of components inside the case.
- Measured by 20MHz bandwidth oscilloscope and the output paralleled a 0.1 uF ceramic capacitor and a 10 uF electrolytic capacitor.
- No damage shall occur when the output is operating in a short circuit condition. The power supply shall self recover when the fault condition is removed.
- R/S: 1 A/ uS
Load: 25% ~ 75% full load.
- Humidity: 10% RH to 90% RH.
- 5% RH to 95% RH.

Astrodyne products are not authorized or warranted for use as critical components in life support systems, equipment used in hazardous environments, nuclear controls systems, or other mission-critical applications.

MECHANICAL DIMENSIONS



AC Input
IEC 320-C6 Inlet
For Class I version



AC Input
IEC 320-C8 Inlet
For Class II version

4-PIN POWER DIN PLUG



PIN	FUNCTION
1	Output +
2	Output +
3	Return
4	Return

Chassis part to output connector:
Equivalent to CUI INC. PD-40 or PD-40S.