

## Features

- IEC/EN/UL 62368-1 3<sup>rd</sup> edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- ErP Stage 2, DoE Level VI
- No Load Power Consumption < 0.1 W
- Regulated Output with Low Ripple Noise
- 1 Year Warranty



## Marks / Approvals



G: C6 Inlet (Protection Class I)  
P: C14 Inlet (Protection Class I)

## Specifications

	MODEL	Voltage	Min. Load	Max. Load	Max. Power
	ATS 090A1-□120	12 V	0.0 A	7.50 A	90 W
	ATS 090A1-□150	15 V	0.0 A	6.00 A	90 W
	ATS 090A1-□160	16 V	0.0 A	5.63 A	90 W
	ATS 090A1-□180	18 V	0.0 A	5.00 A	90 W
	ATS 090A1-□190	19 V	0.0 A	4.74 A	90 W
	ATS 090A1-□240	24 V	0.0 A	3.75 A	90 W
	ATS 090A1-□480	48 V	0.0 A	1.88 A	90 W
	ATS 090A1-□560	56 V	0.0 A	1.60 A	90 W
INPUT	<b>Voltage</b>	AC 100 V – 240 V			
	<b>Frequency</b>	50 Hz - 60 Hz			
	<b>Current</b>	1.20 A max.			
	<b>Protection</b>	Internal Primary Current Fuse, Inrush Limiting			
OUTPUT	<b>Load Regulation</b>	± 5 % (typical)			
	<b>Ripple &amp; Noise</b>	2 % V p-p max. for output voltage at full load			
	<b>Transient Response</b>	0.5 ms for 50 % load change typical			
	<b>Leakage Current</b>	Protection Class I: 3.5 mA max.			
	<b>Protection</b>	Short circuit Protection ▪ Over Voltage Protection ▪ Over Current Protection			
OTHERS	<b>Cooling</b>	Convection			
	<b>Efficiency</b>	DoE Level VI ▪ ErP Stage 2			
	<b>Holdup Time</b>	10 ms at full load			
	<b>Dielectric Withstand</b>	AC 3000 V Primary – Secondary			
	<b>MTBF</b>	300,000 calculated hours at 25 °C by Telcordia SR-332			
ENVIRONMENT	<b>Temperature</b>	Operating: -20 °C – 40 °C / Storage: -20 °C – 80 °C			
	<b>Humidity</b>	Operating: 20 % RH – 80 % RH / Storage: 10 % RH – 90 % RH			
EMI Conduction & Radiation	Compliance to EN 55032 Class B				
Harmonic Current	Compliance to EN 61000-3-2, EN 61000-3-3				
EMS Immunity	Compliance to EN 55035				
Safety	IEC / EN / UL 62368-1 ▪ PSE ▪ BSMI				
Case Dimensions	133.5 mm × 53.5 mm × 33 mm				
Weight	330 g				

Cable type : Black UL1185 16AWG  
(Wire + Plug)

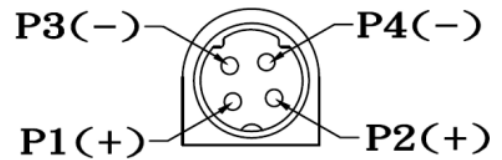
Plug : 4Pin Din

Cable length : 1200mm

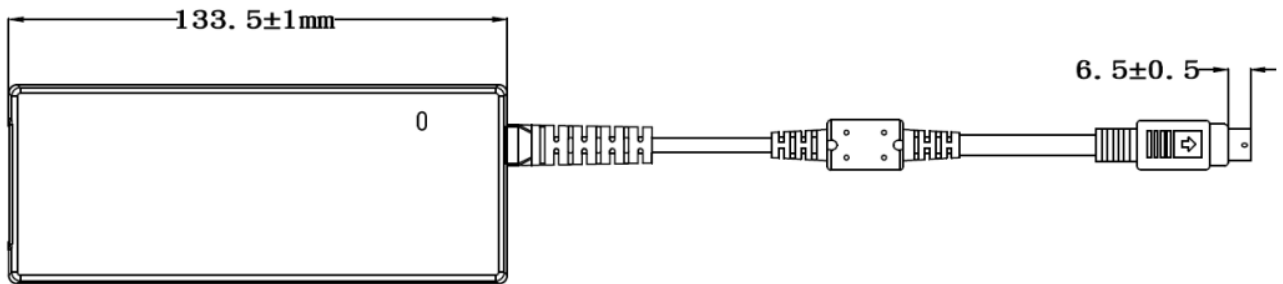
Case dimension : 133.5mm(L) \* 53.5mm(W) \* 33mm(H) ± 1 mm

Material flammability : UL 94V-0

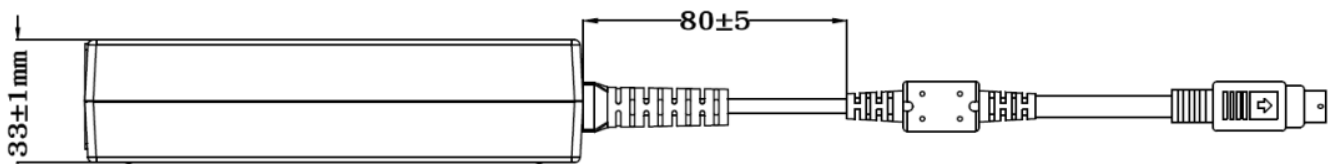
External appearance : As drawing below ( Scale → mm )



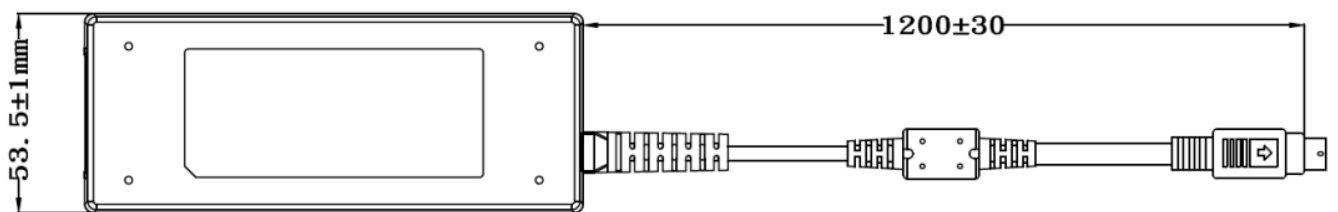
Output Cable Plug Pin Assignment



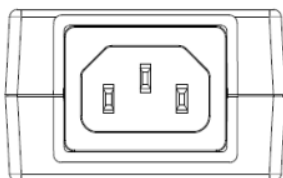
TOP-VIEW



SIDE-VIEW



BOTTOM-VIEW



FRONT-VIEW

Cable type : Black UL1185 18AWG

(wire + plug)

Plug :  $\phi 5.5 * \phi 2.5 * 9.5$  mm

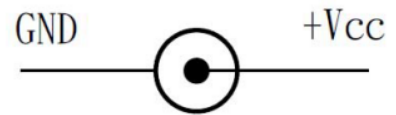
(cannelure)

Cable length : 1500 mm

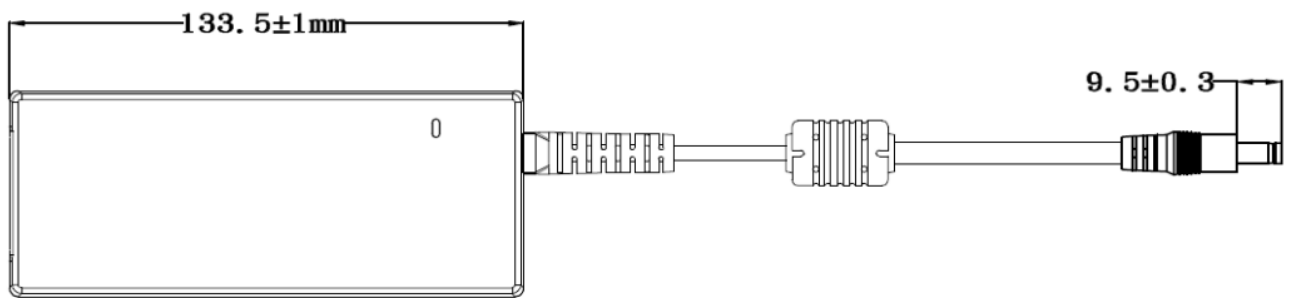
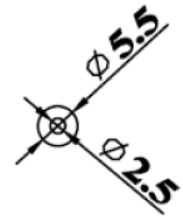
Case dimension : 133.5mm(L) \* 53.5mm(W) \* 33mm(H)  $\pm 1$ mm

Material flammability : UL 94V-0

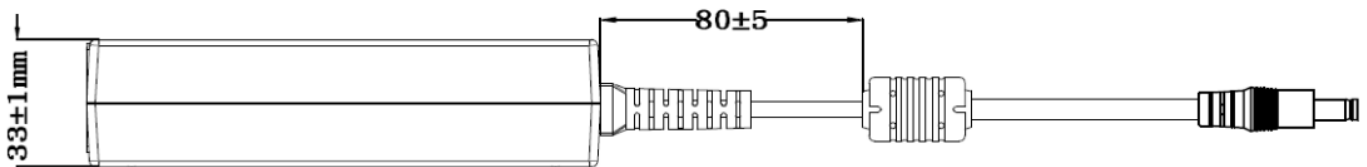
External appearance : As drawing below (scale  $\rightarrow$  mm)



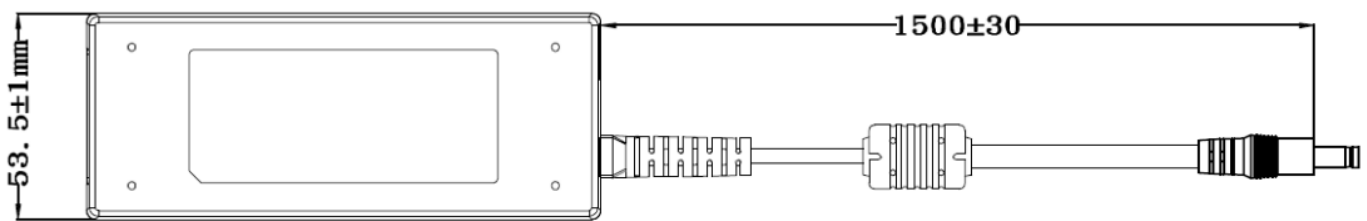
Output cable plug pin assignment



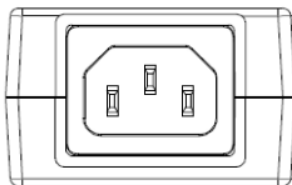
TOP-VIEW



SIDE-VIEW



BOTTOM-VIEW



FRONT-VIEW