

Features

- IEC/EN/UL 62368-1 3rd 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	DC Plug
	ATS 090A1-□120	12 V	0.0 A	7.50 A	90 W	4 Pin DIN
	ATS 090A1-□150	15 V	0.0 A	6.00 A	90 W	4 Pin DIN
	ATS 090A1-□160	16 V	0.0 A	5.63 A	90 W	4 Pin DIN
	ATS 090A1-□180	18 V	0.0 A	5.00 A	90 W	2.1 x 5.5 x 11 mm
	ATS 090A1-□190	19 V	0.0 A	4.74 A	90 W	2.1 x 5.5 x 11 mm
	ATS 090A1-□240	24 V	0.0 A	3.75 A	90 W	2.1 x 5.5 x 11 mm
	ATS 090A1-□480	48 V	0.0 A	1.88 A	90 W	2.1 x 5.5 x 11 mm
	ATS 090A1-□560	56 V	0.0 A	1.60 A	90 W	2.1 x 5.5 x 11 mm
INPUT	Voltage		AC 100 V – 240 V			
	Frequency		50 Hz - 60 Hz			
	Current		1.20 A max.			
	Protection		Internal Primary Current Fuse, Inrush Limiting			
OUTPUT	Load Regulation		± 5 % (typical)			
	Ripple & Noise		2 % V p-p max. for output voltage at full load			
	Transient Response		0.5 ms for 50 % load change typical			
	Leakage Current		Protection Class I: 3.5 mA max.			
	Protection		Short circuit Protection • Over Voltage Protection • Over Current Protection			
OTHERS	Cooling		Convection			
	Efficiency		DoE Level VI • ErP Stage 2			
	Holdup Time		10 ms at full load			
	Dielectric Withstand		AC 3000 V Primary – Secondary			
	MTBF		300,000 calculated hours at 25 °C by Telcordia SR-332			
ENVIRONMENT	Temperature		Operating: -20 °C – 40 °C / Storage: -20 °C – 80 °C			
	Humidity		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					

12 V, 15 V, 16 V variant:

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

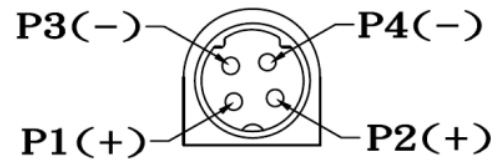
Plug : 4Pin Din

Cable length : 1200mm

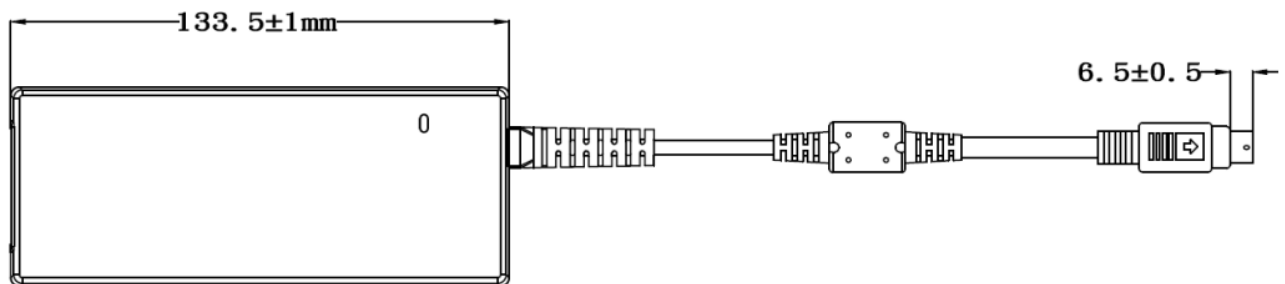
Case dimension : 133.5mm(L) * 53.5mm(W) * 33mm(H) $\pm$ 1 mm

Material flammability : UL 94V-0

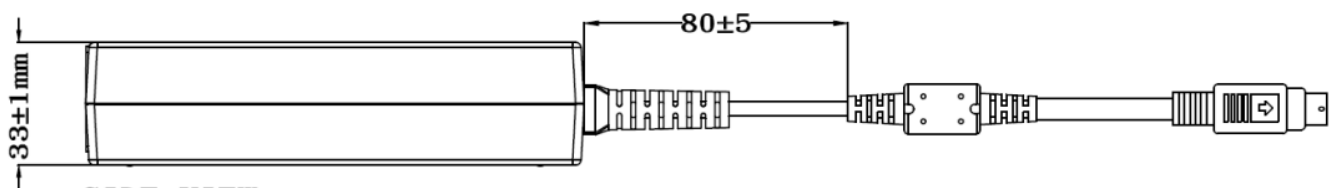
External appearance : As drawing below (Scale $\rightarrow$ mm)



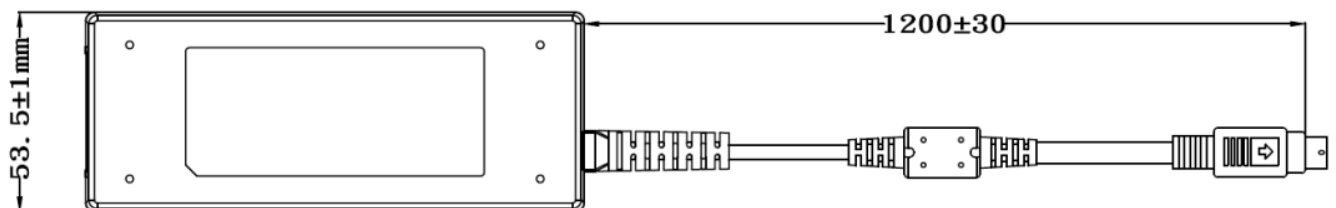
Output Cable Plug Pin Assignment



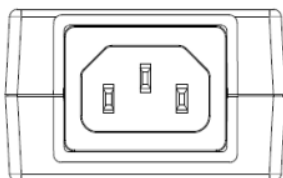
TOP-VIEW



SIDE-VIEW



BOTTOM-VIEW



FRONT-VIEW

18 V, 19 V, 24 V, 48 V, 56 V variant:

Cable type : Black UL1185 18AWG

(wire + plug)

Plug : $\phi 5.5 * \phi 2.1 * 11 \text{ mm}$

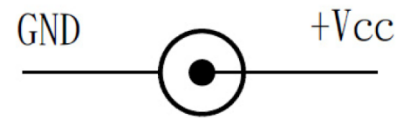
(Tuning fork & cannellure)

Cable length : 1500 mm

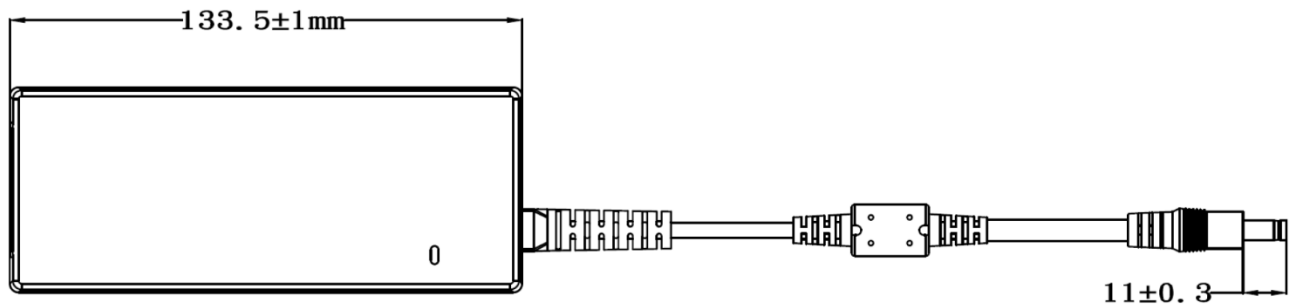
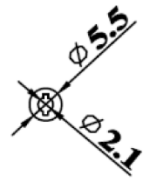
Case dimension : 133.5mm(L) * 53.5mm(W) * 33mm(H) $\pm 1 \text{ mm}$

Material flammability : UL 94V-0

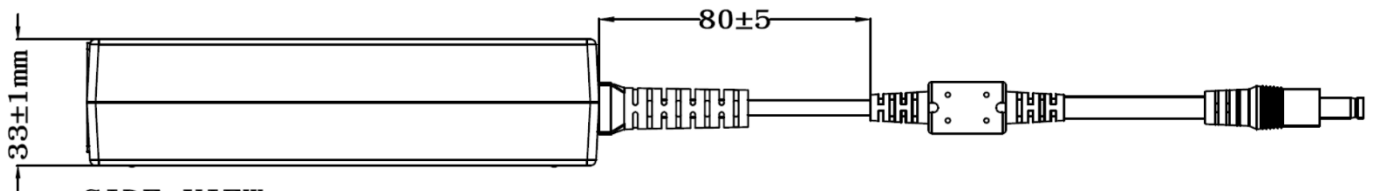
External appearance : As drawing below (scale $\rightarrow$ mm)



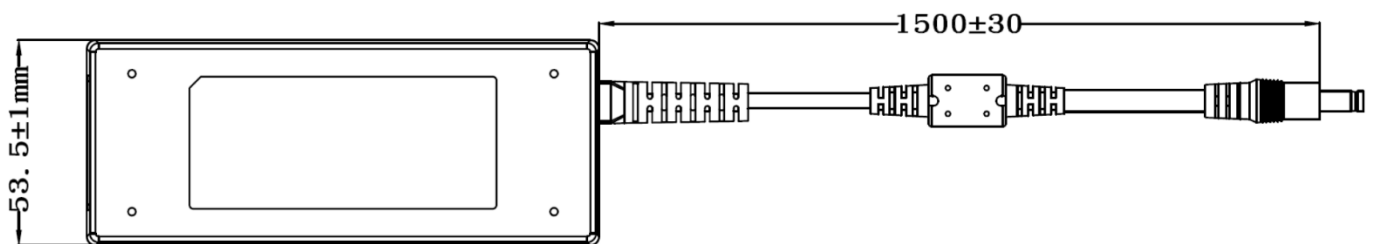
Output cable plug pin assignment



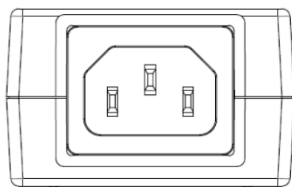
TOP-VIEW



SIDE-VIEW



BOTTOM-VIEW



FRONT-VIEW