ATS 160TS Small Size – GaN FET 160 W

Features

- Gallium Nitride (GaN FET) Based Design
- High Power Density (+ 208 %)*
- 200 kHz Switching Frequency
- Efficiency up to 95 %
- No Load Power Consumption < 0.15 W
- Regulated Output with Low Ripple Noise
- 1 Year Warranty

Product similar to photo, variations possible. Photo shows variant type A with C8 AC inlet.
Refer to technical drawing for detailed specifications

Marks / Approvals

Specifications

MODEL	Voltage	Min. Load	Max. Load	Max. Power
ATS 160TS-□120	12 V	0.00 A	12.5 A	150 W
ATS 160TS-□190	19 V	0.00 A	8.4 A	160 W
ATS 160TS-□240	24 V	0.00 A	6.6 A	160 W
ATS 160TS-□480	48 V	0.00 A	3.3 A	160 W
ATS 160TS-□560	56 V	0.00 A	2.86 A	160 W

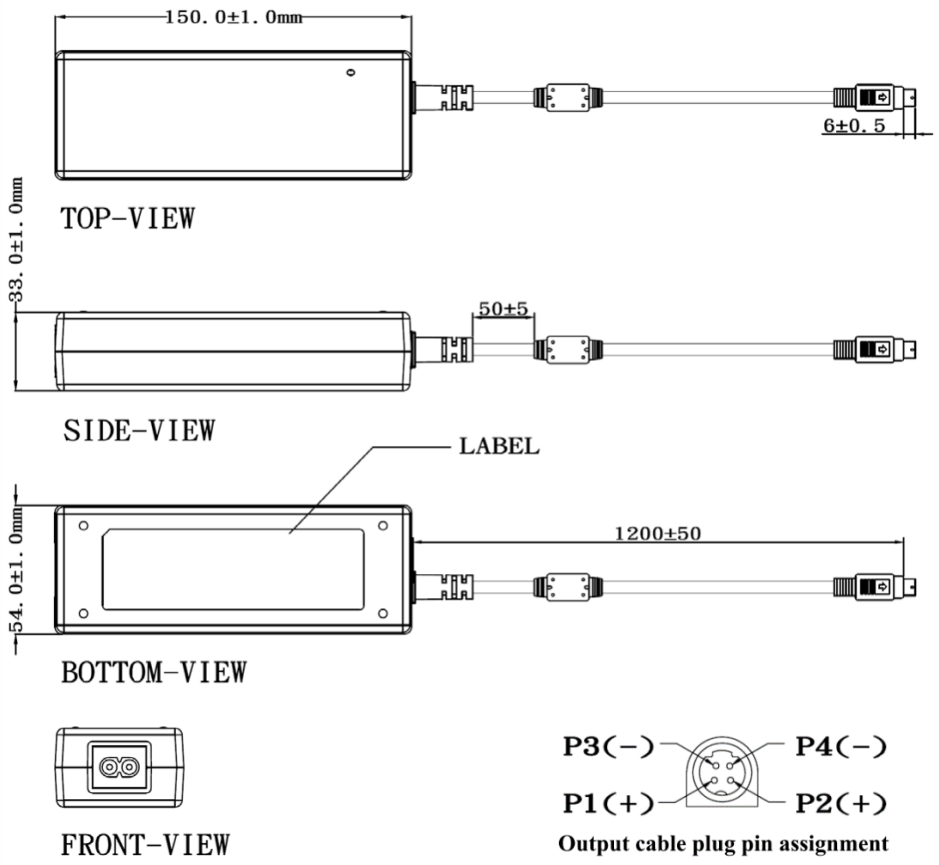
□ – **A:** IEC 60320 C8 AC Inlet; **P:** IEC 60320 C14 or C6 Inlet

INPUT	***Voltage***	AC 100 V – 240 V
	Frequency	50 Hz - 60 Hz
	Current	2.2 A max.
	Protection	Internal Primary Current Fuse, Inrush Limiting
OUTPUT	***Load Regulation***	± 5 % (typical)
	Ripple & Noise	1 % – 2 % V p-p max. for output voltage at full load
	Transient Response	0.5 ms for 50 % load change typical
	Leakage Curre1nt	0.25 mA max.
	Protection	Short Circuit Protection ▪ Over Voltage Protection Over Current Protection ▪ Over Temperature Protection
OTHERS	***Cooling***	Convection
	Efficiency	DoE Level VI ▪ Energy Star ▪ ErP Stage 2 ▪ NRCan & GEMS Level VI Certified
	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: 0 °C – 40 °C / Storage: -20 °C – 80 °C
	Humidity	Operating: 20 % RH – 80 % RH / Storage: 10 % RH – 90 % RH
CONNECTION	***Input***	IEC 60320 C14 or C6 input connector (Protection Class I) IEC 60320 C8 AC input connector (Protection Class II)
	Output	Standard DC Cable Type: Black UL2095 16 AWG * 4C; Plug: 4 Pin DIN Cable Length: 1200 mm. Other configurations available upon request
EMI Conduction & Radiation	Compliance to EN 55032, EN 55024	
Harmonic Current	Compliance to EN 61000-3-2, -3	
EMS Immunity	Compliance to IEC 61000-1-2, -3, -4, -5, -6, -8, -11	
Safety	IEC / EN / UL 62368-1 ▪ IEC 60950-1 ▪ CE ▪ PSE ▪ BSMI	
Case Dimensions	C6/C14: 161 mm x 54 mm x 33 mm C8: 150 mm x 54 mm x 33 mm	
Weight	530 g (typ.)	

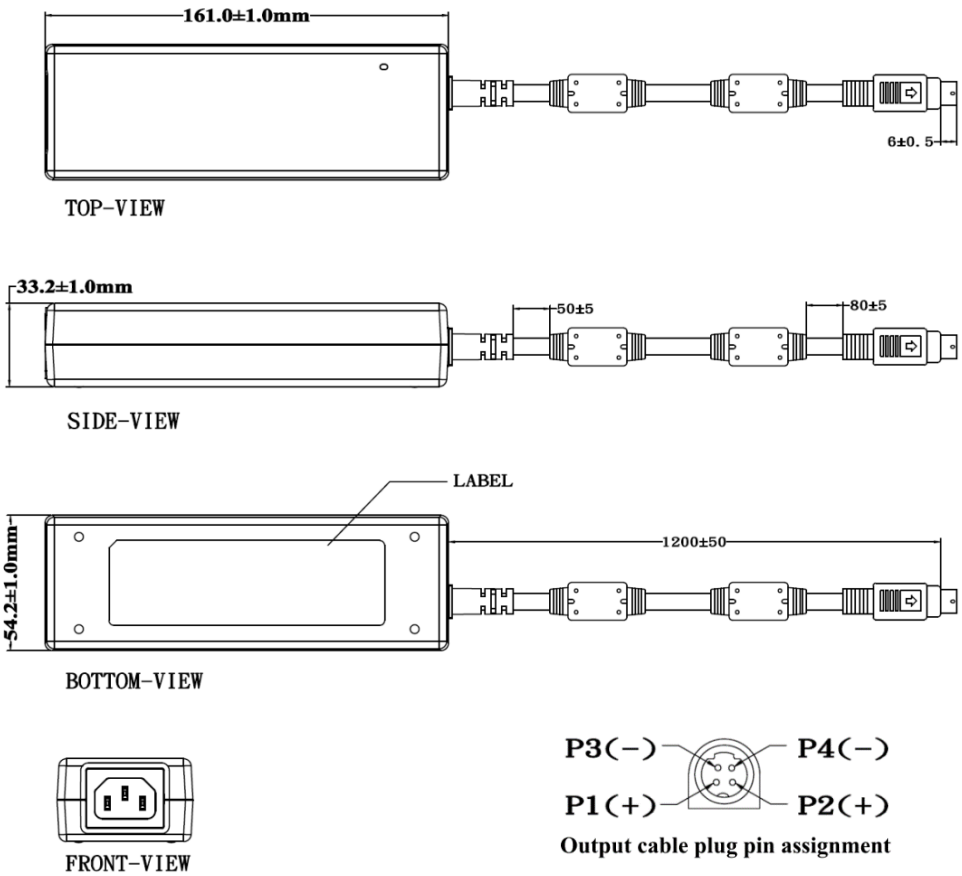
* Power Density 208 % higher than traditional adapter (10.0 W/in³ compared to 4.8 W/in³)

Specifications subject to change without notice

A120 Variant (C8 AC Inlet)



P120 Variant (C14 AC Inlet)



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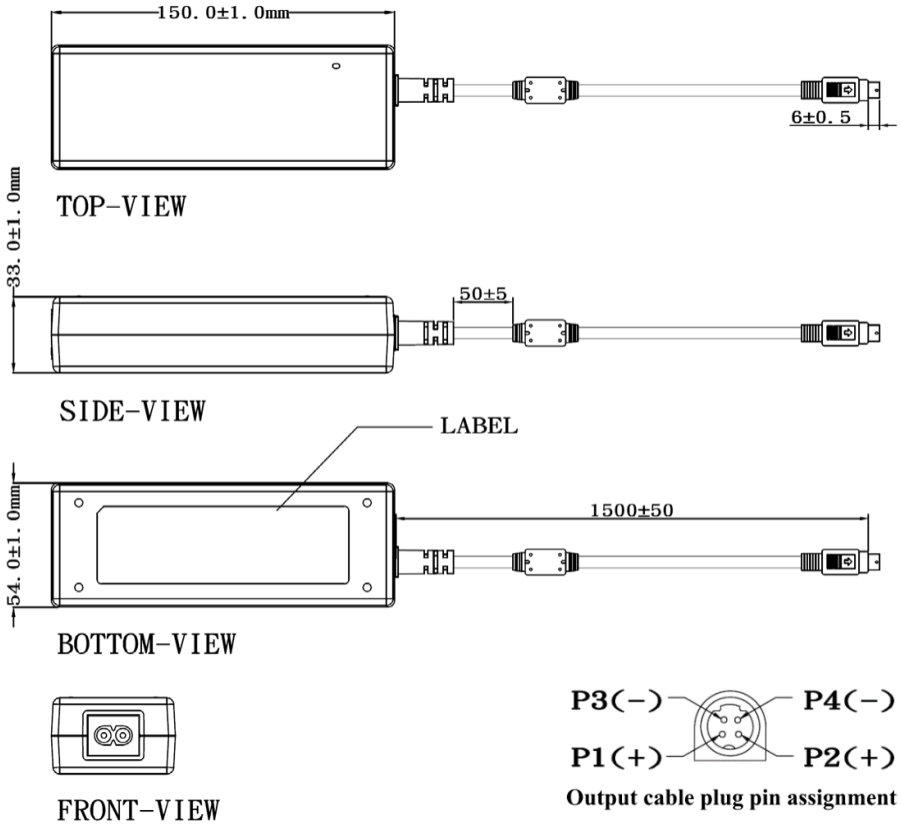
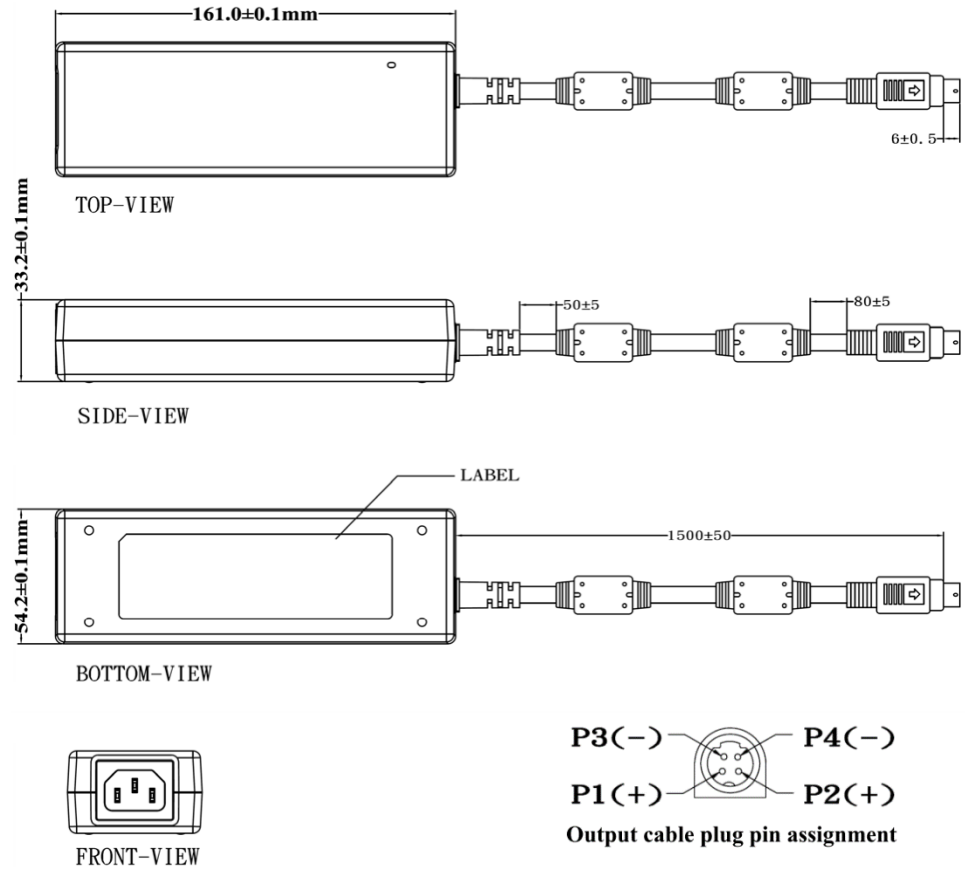
A Variant (C8 AC Inlet) – All models except A120



P Variant (C14 AC Inlet) – All models except P120



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