

AxyEDz Series

160-250W Single Output

Features

- Active PFC Function, CEC V Compliance
- RoHS Compliance
- IEC320 C14, C8, C6, C18 AC Inlet Option
- Over Voltage Protection
- Over Current Protection
- Over Temperature Protection
- Short Circuit Protection
- LED Power Indicator



Case Size: 182Lx84.5Wx46H(mm)



Part Number Selection Table

Part Number	Output Power (W)	Preset Output ⁴ Voltage Range (Vo)	Min. Load (Io)	Max. ⁵ Load (Io)	Load Regulation	Line ³ Regulation	Ripple ² & Noise
A120133EDL	160W	12V~18V	0A	13.33A	±5%	±1%	300mV
A180100EDL	180W	12V~18V	0A	15.00A	±5%	±1%	300mV
A240075EDL	180W	19V~28V	0A	9.47A	±5%	±1%	350mV
A120166EDL	200W	12V~18V	0A	16.66A	±5%	±1%	300mV
A240083EDL	200W	19V~28V	0A	10.52A	±5%	±1%	350mV
A360055EDL	200W	32V~42V	0A	6.25A	±5%	±1%	450mV
A480042EDL	200W	44V~56V	0A	4.54A	±5%	±1%	600mV
A120180EDL	220W	12V~18V	0A	18.33A	±5%	±1%	300mV
A240092EDL	220W	19V~28V	0A	11.57A	±5%	±1%	350mV
A360061EDL	220W	32V~42V	0A	6.87A	±5%	±1%	450mV
A480046EDL	220W	44V~56V	0A	5A	±5%	±1%	600mV
A240096EDL	230W	19V~28V	0A	12.10A	±5%	±1%	350mV
A360064EDL	230W	32V~42V	0A	7.18A	±5%	±1%	450mV
A480048EDL	230W	44V~56V	0A	5.22A	±5%	±1%	600mV
A240104EDL	250W	19V~28V	0A	13.15A	±5%	±1%	350mV
A360069EDL	250W	32V~42V	0A	7.81A	±5%	±1%	450mV
A480052EDL	250W	44V~56V	0A	5.68A	±5%	±1%	600mV

1. Part numbers and Max. load are for reference only. For any other specific combinations that are not listed please contact Top Microsystems.
2. Ripple & noise measured using 20MHz bandwidth oscilloscope and terminated output, 0.1uF ceramic capacitor & 47uF aluminum capacitor at full load, nominal line.
3. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
4. Fixed output voltage is set at the factory and not user changeable. Voltage range shown in table above for reference only.
5. Max. Load (Io) ≤ Output Power (W) divided by Output Voltage (Vo).

Electrical

Input

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 3.5 to 2.5A
- Inrush Current: ≤100A At cold start
- Efficiency: Meet CEC Level V, VI
- Hold Up Time: ≥8.3mS
- Turn On Time: ≤3s

Output

- Over Voltage Protection: Auto Recovery or Latch Off
- Short Circuit Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Latch off

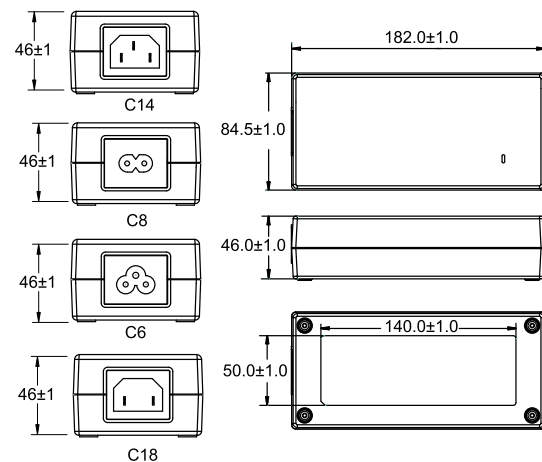
Environmental

- Operating Temperature: 0 to 40°C
- Storage Temperature: -20 to 85°C
- Storage Humidity: 5% to 95%

Safety

- UL/CUL, TUV, CB, CE, FCC, CCC

Mechanical



- Case Size: 182Lx84.5Wx46H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 1000g