

## 80-100W CECVI E-Series

12V to 56VDC Single Output



### Features

- Active PFC Function
- Efficiency Level VI Compliance
- RoHS Compliance
- IEC320 C14, C8, C6 AC Inlet Options
- OVP, OCP, OTP, SCP Protections
- LED Indicator

**Dimensions:** 137Lx59Wx34H(mm) for AC inlet C14  
133Lx59Wx33.5H(mm) for AC inlet C8, C6

### Selection Table

Sample Part Number	Max. Output Power (W)	Output Voltage	Min. Load	Max. Load	Load Regulation	Line Regulation	Ripple & Noise
A240048EDL	90	18V~24V	0A	4.75A	± 5%	± 1%	350mV
A180066EDL	84	12V~18V	0A	6.6A	± 5%	± 1%	250mV
A240050EDL	90	15V~24V	0A	5.0A	± 5%	± 1%	350mV
A180075EDL	90	12V~18V	0A	7.50A	± 5%	± 1%	250mV
A420025EDL	80	32V~42V	0A	2.50A	± 5%	± 1%	500mV
A480017EDL	80	44V~56V	0A	1.82A	± 5%	± 1%	720mV
A420028EDL	90	32V~42V	0A	2.81A	± 5%	± 1%	500mV
A560021EDL	90	44V~56V	0A	2.05A	± 5%	± 1%	720mV
A420021EDL	100	32V~42V	0A	3.12A	± 5%	± 1%	500mV
A560023EDL	100	44V~56V	0A	2.27A	± 5%	± 1%	720mV

1 : Part Numbers listed are examples only. For any other voltages please contact Top Microsystems to be provided exact part number reference.

2 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

3 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.

4 : Max. Power (W) =  $V_o \times I_o$

### Electrical

#### Input

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

#### Safety

- UL/CUL UL60950, TUV/GS EN/IEC 60950  
CB, CCC, RCM, BSMI, SABS

#### Mechanical

- Case Size: 133Lx59Wx33.5H(mm) For AC inlet C8, C6
- Case Size: 137Lx59Wx34H(mm) For AC inlet C14
- Weight: 420g

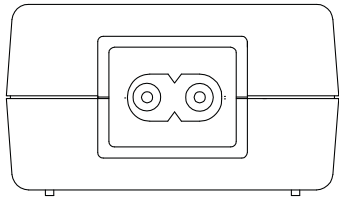
#### Output

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

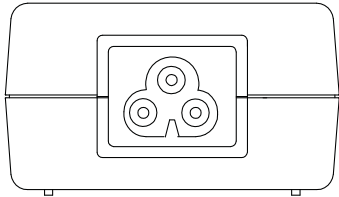
#### Environmental

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

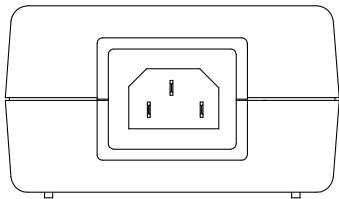
## Mechanical



C8



C6



C14

