

EA1181 Series

AC/DC Desktop Adapter 150 ~ 200 W Max.

- Slim Size
- 100-240VAC Universal Input
- Active PFC Function
- Protections:
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.21\text{W(VI)}$, $\leq 0.15\text{W (Tier II)}$
- MTBF > 50,000 hours



EA1181 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18

Y: Output range

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1 mm or other options (refer to the appendix page)

Electrical Specifications

MODEL No.	Max. Output Power [W]	Output Voltage [Vo]	Min. Load [Io]	Max. Load [Io]	Load Regulation	Line Regulation	Ripple & Noise
EA1181xA	150W	12V~18V	0A	12.5A	± 5%	± 1%	240mV
EA1181xB	160W	12V~18V	0A	13.33A	± 5%	± 1%	240mV
EA1181xC	170W	12V~18V	0A	14.16A	± 5%	± 1%	240mV
EA1181xD	180W	19V~24V	0A	9.47A	± 5%	± 1%	360mV
EA1181xE	180W	32V~42V	0A	5.62A	± 5%	± 1%	630mV
EA1181xF	180W	44V~56V	0A	4.09A	± 5%	± 1%	840mV
EA1181xG	190W	19V~24V	0A	10A	± 5%	± 1%	360mV
EA1181xH	190W	32V~42V	0A	5.93A	± 5%	± 1%	630mV
EA1181xJ	190W	44V~56V	0A	4.31A	± 5%	± 1%	840mV
EA1181xK	200W	19V~24V	0A	10.52A	± 5%	± 1%	360mV
EA1181xL	200W	32V~42V	0A	6.25A	± 5%	± 1%	630mV
EA1181xM	200W	44V~56V	0A	4.54A	± 5%	± 1%	840mV

NOTE:

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

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

3 : Max. Power (W) $\geq V_o \times I_o$

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Electrical Specifications

Input

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current $\leq 2.5A$
- Inrush Current 60A/100VAC 120A/230VAC
- Hold Up Time $\geq 8.3mS$
- Turn On Time $\leq 3s$

Environment

- Operating Temperature 0 to 40° C
- Storage Temperature -20 to 85° C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

Output

- Short Circuit Protection Latch-off
- Over Voltage Protection Latch-off
- Over Current Protection Latch-off
- Over Temperature Protection Latch-off

Safety

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE

Mechanical Specifications

- Case Size: 166L x 83W x 28H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 450g

