

40Watts Single Output External Adapter

ADE-400X series

Feature:

- 90 to 264Vac universal input range.
- UL , CSA , TUV safety approval.
- EMI/RFI meet VDE & FCC limit B.
- Low cost & compact size.
- 40 watts in 120.5×61×35.5mm size.
- 2 year warranty.

Specifications: typical at nominal line, full load at 25°C.

Input Specifications:	General Specifications:
Input voltage: 90 to 264Vac	Efficiency: 70% typical at full load
Input Frequency: 47 Hz to 63Hz	Hold-up time: 10ms @ 115Vac full load
Input inrush current: 10A at 115Vac 20A at 230Vac	EMI/RFI: VDE & FCC Class B limits
Earth leakage: 0.2mA max @ 115Vac 0.4mA max @ 230Vac	Dielectric Withstand: Input/output: 3000Vac Input/Ground: 1500Vac
Output Specifications:	Safety Approval: UL UL1950 CSA 22.2-234/950 TUV EN60950
Output Rating: See selection table	
Output Voltage Accuracy : $\pm 5\%$ max.	Switching frequency: 70kHz
Line Regulation: $\pm 1\%$ max.	Weight: 300g
Load Regulation: $\pm 5\%$ max. (Full to half load)	MTBF: 100,000hours(MIL-HDBK-217F)
Transient Response: $\pm 1\%$ max.dev. (Full to half load) 500uS recovery	Environmental Specifications:
Temperature Coefficient: $\pm 0.04\%$ / °C	Operating temperature: 0 to +40°C
Ripple & Noise: 1% P-P max.	Storage temperature: -20 to +85°C
Protections: a. Over voltage protection b. Over power protection c. Short circuit protection	Humidity: 5 to 95 % RH non-condensing
	Vibration: 2.4G , 5 to 500Hz
	Cooling: Free air convection

Note:

1. Vibration test: Three orthogonal axes, random vibration, 10 minutes for each axis.
 2. Maximum output power is 40W.
 3. At least 20% of load is required to obtain stable regulation.
 4. Ripple & noise test method is measured at output terminal across a 0.1uF ceramic cap & a 10uF tantalum or electrolytic cap in parallel with a 20MHz bandwidth oscilloscope directly.
- ★ Please refer the safety approval status on appendix 1, For latest safety approval status Please consult YCL or visit" www.ycl.com.tw

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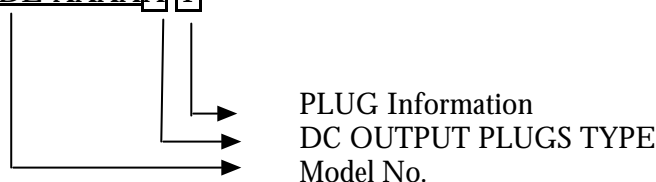
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Model Selection Table:

Document		Model No.	Output Voltage	Output Current Minimum	Output Current Maximum	Max. Power
yes	no					
<input type="checkbox"/>		ADE-4002	12V	0mA	3300mA	40W
<input type="checkbox"/>		ADE-4003	15V	0mA	2500mA	40W
<input type="checkbox"/>		ADE-4004	24V	0mA	1600mA	40W
<input type="checkbox"/>		ADE-4009	48V	0mA	830mA	40W

Note:

☐ Order information: ADE-XXXXX^Y



- ☐ Others output voltage or output cord versions are available. Please consult factory for details.
- ☐ The front of selection table has document description of the products. It need time to develop if the document show No. Please consult factory for the design schedule again.

Dimensions: mm \pm 1.0mm

