

HiTRON

AC/DC EXTERNAL WALLMOUNT ADAPTER 2-BLADE AND EUROPEAN AC PLUG SINGLE OUTPUT 5-10 WATTS LOW LEAKAGE & GREEN POWER SWITCHING POWER SUPPLIES HLG10 SERIES



FEATURES:

- VERY SMALL & COMPACT IN SIZE
- LOW LEAKAGE & LOW WAITING POWER
- EMI MEET EN 55022/FCC CLASS B
- MEET USA, JAPAN & EUROPEAN SAFETY STANDARDS
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: 90-264Vac typical.
Input Connector: WM1(USA)/WM3 (Euro-Stecker)/ WM5(UK)
Input Frequency: 50/60Hz.
Inrush Current: 3.371Arms@230Vac/50Hz.
Input Current: 0.2A@115Vac, 0.09A@230Vac.
Dielectric Withstand: Meet IEC 60950-1.
EMI: Meet CISPR EN 55022/FCC Class B.
Hold-up Time: 11.2mS@115Vac, 70.4mS@230Vac typ.
Green Power: 0.2W @132Vac, 0.25W@264Vac typical.
Leakage Current: IEC 60950-1 Touch Current 0.02mA.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: 5-10 Watts typical.
Output Connector: Optional.
Line Regulation: 1.0 % typical.
Load Regulation: ± 5 % typical.
Noise & Ripple: 1% typical peak to peak.
OVP: Built-in. (Zener).
Overload Protection (OLP):
Fully protected against output overload and short circuit.
OLP set at about 125-150% rating output wattage.
Consult the factory for OLP setting.

GENERAL SPECIFICATION

Efficiency: 71-75% typical.
Switching Frequency: 60 KHz.
Circuit Topology: PWM IC Fixed Flyback Circuit.
Transient Response: Output voltage returns in less than 1mS following a 25% load change.
Safety Standard: Meet UL60950-1 Class II.
Power Density: 0.93-1.86 Watts/Cubic inch.

Operating Temperature: 0 to +25/35/40°C without derating. (various with output voltage)
Storage Temperature: -20 to +85°C.
Temperature Coefficient: 0.04%/°C typical.
Cooling: Free air convection.
Construction: Impact resistant plastic enclosure case wallmount format.

NOTE: (1) All measurements are at nominal input, full load, and +25°C unless otherwise specified.

(2) Load regulation is measured at 115Vac or 230Vac in percentage to indicate the change in output voltage as the load is varied from half load to full load ($\pm\%$).

(3) The exact obtainable load regulation depends upon the output cord selected and load current. Upper data are for 6 ft. (2 m) cord AWG#18 wires.

(4) Due to requests in market and advances in technology, specifications subject to change without notice.



For the details of safety approval, please consult the factory.

OUTPUT VOLTAGE/CURRENT RATINGS CHART

Output Voltage from 3.3-9.0Volts, Output DC 2.5-1.1Amps, Maximum Output 10.3Watts.

DEFINED OUTPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc) / CURRENT (A)
$3.3Vdc \leq \text{Any Voltage} \leq 9.0Vdc$	3.3-4.0V/2.5-2.1A, 4.1-4.9V/2.1-2.0A, 5.0-5.9V/2.0-1.7A, 6.0-6.9V/1.6-1.4A, 7.0-7.9V/1.4-1.2A, 8.0-9.0V/1.2-1.1A.

Note: Refer to the upper Chart or consult factory for the exact Model No. and V/A ratings.

SINGLE OUTPUT *(Model No. for example.)*

MODEL NO.	AC PLUG	O/P VOLTAGE	O/P CURRENT			
			Min.	Typ.	Max.	Peak
HLG10-330250-1	WM1	3.30Vdc	0A	2.5A	2.5A	2.5A
HLG10-330250-3	WM3	3.30Vdc	0A	2.5A	2.5A	2.5A
HLG10-500200-1	WM1	5.00Vdc	0A	2.0A	2.0A	2.0A
HLG10-500200-5	WM5	5.00Vdc	0A	2.0A	2.0A	2.0A
HLG10-515200-1	WM1	5.15Vdc	0A	2.0A	2.0A	2.0A
HLG10-515200-3	WM3	5.15Vdc	0A	2.0A	2.0A	2.0A
HLG10-515200-5	WM5	5.15Vdc	0A	2.0A	2.0A	2.0A
HLG10-600160-1	WM1	6.00Vdc	0A	1.6A	1.6A	1.6A
HLG10-600160-3	WM3	6.00Vdc	0A	1.6A	1.6A	1.6A
HLG10-900110-3	WM3	9.00Vdc	0A	1.1A	1.1A	1.1A
HLG10-900110-5	WM5	9.00Vdc	0A	1.1A	1.1A	1.1A
HLG10-515100-1(I)	WM1	5.15Vdc	0A	1.0A	1.0A	1.0A
HLG10-515200-1(I)	WM1	5.15Vdc	0A	2.0A	2.0A	2.0A

Remark: Models can be followed by a suffix (I) to indicate an additional input choke.

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 133.6g(4.71Oz.)

