



FEATURES

- Universal input Voltage: 90 264VAC, 50/60Hz
- DoE Level VI efficiency
- Over voltage, Over current, Short circuit protection
- Fully enclosed plastic case
- 2 pole Britain plug
- Small wall-mounted type



MG036-HA series is a small wall-mounted type adapter. This series features universal input voltage, low power consumption, high efficiency, high reliability, and safer isolation, meets IEC/EN61000-4, CISPR22/EN55032 and BS EN60950. The entire series supplies different models with output voltages range between 9V and 24V that can satisfy the demands for the various types of consumer electronic devices, telecommunication devices, office and civil applications devices.

Electric S	pecifications							
	Model	MG03609HA	MG03612HA	MG03615HA	MG03618HA	MG03624HA		
	DC Voltage	9V	12V	15V	18V	24V		
	Rated current	3.0A	3.0A	2.4A	2.0A	1.5A		
	Current range	0-3.0A	0-3.0A	0-2.4A	0-2.0A	0-1.5A		
	Rated power	27W	36W	36W	36W	36W		
	Voltage Accuracy	±5%	±5%	±5%	±5%	±5%		
	Line Regulation	±1%	±1%	±1%	±1%	±1%		
0.11	Load Regulation	±5%	±5%	±5%	±5%	±5%		
Output	Ripple & Noise*	120mVp-p max	120mVp-p max	150mVp-p max	180mVp-p max	240mVp-p max		
	Start-up time	3s@100-240VAC, full load						
	Hold-up time	10ms@115VAC, full load, 20ms@230VAC, full load						
	Rise time	30ms max						
	Overshoot/ Undershoot	±10%						
	Transient response	Output voltage range ±5%, load 25%-50%, 50%-75%, slope: 0.5A/us, frequency: 50Hz-10KHz						
	Input voltage	90 - 264VAC						
	Input frequency	47 - 63Hz						
	Efficiency(Typ.)	86.62%	87.40%	87.40%	87.40%	87.40%		
Input	Input current	1.0A Max@100VAC, full load						
	Inrush current	Cold start: 40A/115VAC, 80A/230VAC						
	No load power	<0.1W						
	Leakage current	0.25mA Max@240VAC						
Protections	Over voltage	Rated output voltage 110%-150%						
	Over current	Rated output current 110%-200%, self-recovery						
	Short circuit	Hiccup, Continuous, self-recovery						
Note	* Ripple and noise are measured by 20MHz bandwidth; at full load, 100-240VAC input, output terminated with a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor.							

36W AC/DC Adapter





General Specifications					
Item	Operating Conditions	Min.	Тур.	Max.	Unit
Isolation Voltage	Input-output, Test 1 minute, leakage current<5mA	3000	-		VAC
Insulation Resistance	Input-output, add 500Vdc test voltage	100			M Ω
Operating Temperature		-10		40	20
Storage Temperature		-25		70	°C
Operating Humidity				90	O/ DI I
Storage Humidity				95	%RH
Altitude				2000	m
Lifetime	25°C	2			years
MTBF	MIL-HDBK-217F (25°C)	50000			hours

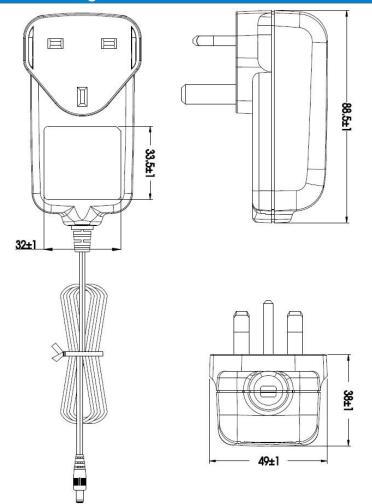
Physical Specifications		
Casing Material	PC,120°C 94V-0	
Color	Black/White(Other color can be designed by customization)	
Dimension	(L)88.50mm*(W)49.00mm*(H)38.00mm	
Weight	148g(Typ.)	
Cooling Method	Free air convection	

EMC Specifications				
EMI	RE	EN55032, CLASS B		
	CE	EN55032, CLASS B		
EMS	ESD(MAX)	IEC/EN61000-4-2 Contact ±8KV/Air ±15KV	perf. Criteria B	
	RS	IEC61000-4-3 3V/m	perf. Criteria A	
	CS	IEC61000-4-6 3Vrms	perf. Criteria A	
	Surge(MAX)	IEC/EN61000-4-5 ±4KV/ ±4KV	perf. Criteria B	
Note: standa	ard ESD contact ±4KV/A	ir ±8KV, Surge ±1KV/ ±1KV.		

Safety Standards			
Application fields	Standard	Status	Note
IT	BS EN60950	Approved	
AV	BS EN60065	Meet	
Home appliances	BS EN61558-2-16	Meet	
Lighting	BS EN61347	Meet	

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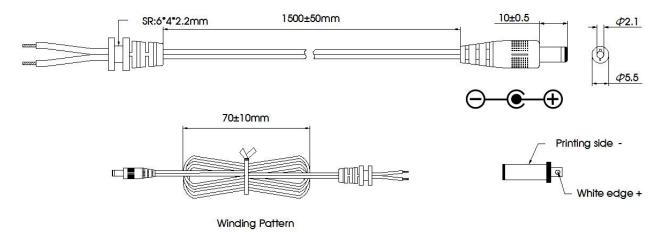
Mechanical Drawing



Remark:

No display tolerance: ±0.5 Unit: mm

DC Wire Drawing



NO.	ITEM	Q' TY	DESCRIPTION
			9V UL2468 18AWG/2C 80°C/300V L=1500mm
01	CABLE	1PCS	12V/15V UL2468 20AWG/2C 80°C/300V L=1500mm
			18V/24V UL2468 22AWG/2C 80°C/300V L=1500mm
02	PLUG	1PCS	DC PLUG:5.5*2.1*10

Note:

1.Compliance with RoHS2.No display tolerance: ±0.5

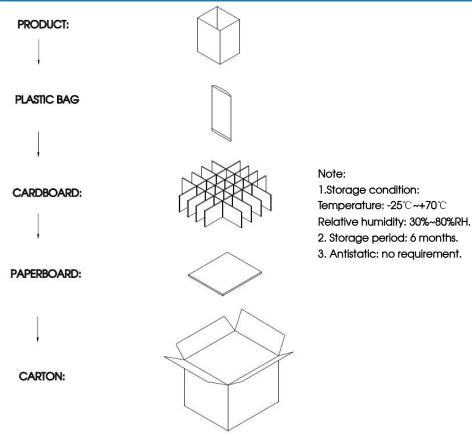
3.Unit: mm

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Package Drawing



Note:

- 1. Products are related to laws and regulations: see "Features", "EMC" and "Safety standards".
- 2. Our products shall be classified according to ISO14001 and related environmental laws and regulations, and shall be handled by qualified units.
- 3. If the product is not operated within the required load range, the product performance cannot be guaranteed to comply with all parameters in the datasheet:
- 4. Unless otherwise specified, parameters in this datasheet were measured under the conditions of Ta=25 °C, humidity<75% with nominal input voltage and rated output load;
- All index testing methods in this datasheet are based on our Company's corporate standards;
- 6. We can provide product customization service; Please contact our technicians directly for specific information;

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