



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 Australia plug
- Small wall-mounted type



MI012-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 AS/NZS60950. The entire series supplies different models with output voltages range between 3V and 24V that can satisfy the demands for the various types of consumer electronic devices, telecommunication devices, office and civil applications devices.

Model		MI01205HA	MI01209HA	MI01212HA	MI01215HA	MI01224HA		
	DC Voltage	5V	9V	12V	15V	24V		
	Rated Current	2.5A	1.5A	1.25A	1.0A	0.65A		
	Current Range	0-2.5A	0-1.5A	0-1.25A	0-1.0A	0-0.65A		
	Rated Power	12.5W	13.5W	15W	15W	15.6W		
	Voltage Accuracy	±5%	±5%	±5%	±5%	±5%		
	Line Regulation	±1%	±1%	±1%	±1%	±1%		
.	Load Regulation	±5%	±5%	±5%	±5%	±5%		
Output	Ripple & Noise*	120mVp-p max	120mVp-p max	120mVp-p max	150mVp-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	80ms 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.)	80.21%	83.59%	84.13%	84.13%	84.32%		
nput	Input Current	0.35A Max@100VAC, full load						
	Inrush Current	Cold start: 30A/115VAC, 60A/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 ceramicapacitor and a 10uF electrolytic capacitor.							

12W AC/DC Adapter

MI012-HA Series



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	°C
Storage Temperature		-25		70	
Operating Humidity				90	0/ 10/ 1
Storage Humidity				95	%RH
Altitude				2000	m
Lifetime	25 ℃	2			years
MTBF	MIL-HDBK-217F (25°C)	50000			hours

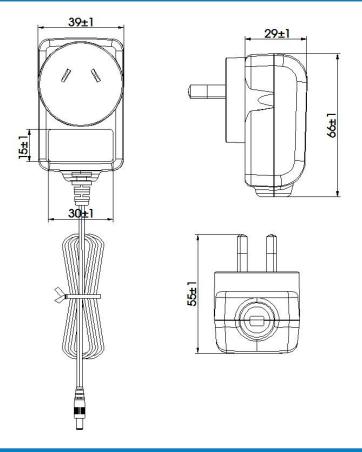
Physical Specifications		
Casing Material	PC,120°C 94V-0	
Color	Black/White(Other color can be designed by customization)	
Dimension	(L)66.00mm x (W)39.00mm x (H)29.00mm	
Weight	80g (Typ.)	
Cooling Method	Free air convection	

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

Safety Standards				
Application Fields	Standard	Status	Note	
IT	AS/NZS60950	Approved		
AV	AS/NZS60065	Meet		
Home Appliances	AS/NZS61558-2-16	Meet		

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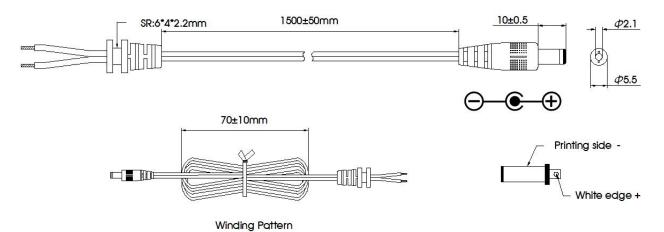
Mechanical Drawing



Note:

No display tolerance: ±0.12 Unit: mm

DC Wire Drawing



NO.	ITEM	Q′ TY	DESCRIPTION
			3V UL2468 18AWG/2C 80°C/300V L=1500mm
01	CABLE	1PCS	5V UL2468 20AWG/2C 80°C/300V L=1500mm
			9V/12V UL2468 22AWG/2C 80°C/300V L=1500mm
			15V/24V UL2468 24AWG/2C 80°C/300V L=1500mm
02	PLUG	1PCS	DC PLUG:5.5*2.1*10

Note:

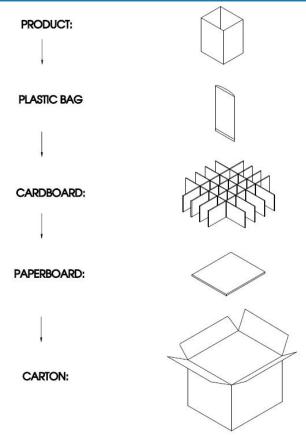
1.Compliance with RoHS

2.No display tolerance: ±0.12

3.Unit: mm



Package Drawing



Note:

1.Storage condition:
Temperature: -25°C to +70°C
Relative humidity: 30% - 80%RH.
2. Storage period: 6 months.
3. Antistatic: no requirement.

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;
- 5. All index testing methods in this datasheet are based on our company corporate standards;
- 6. We can provide product customization service; Please contact our technicians directly for specific information;

Mornsun Guangzhou Science & Technology Co., Ltd.

Address: No. 5, Kehui St. 1, Kehui Development Center, Science Ave., Guangzhou Science City, Huangpu District, Guangzhou, P. R. China Tel: 86-20-38601850 Fax: 86-20-38601272 E-mail: info@mornsun.cn www.mornsun-power.com

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