

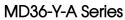
FEATURES

- Universal input Voltage: 90 264VAC, 50/60Hz
- DoE Level VI efficiency
- Over voltage, Over current, Short circuit protection
- Fully enclosed plastic case
- 2 pole AC inlet IEC320-C8
- Desktop type
- Global certificates

MD36-Y-A series is a desktop type adapter. This series features universal input voltage, low power consumption, high efficiency, high reliability, and safer isolation, meets IEC/EN61000-4, CISPR22/EN55032, GB4943, UL60950, EN60950, BS EN60950-1 and AS/NZS60950. The entire series supplies different models with output voltages range between 5V and 24V that can satisfy the demands for the various types of consumer electronic devices, telecommunication devices, office and civil applications devices.

Electric Specification Model		MD36-0500500Y-A	MD36-0900300Y-A	MD36-1200300Y-A	MD36-1500240Y-A	MD36-1800200Y-A	MD36-2400150Y-A	
	DC Voltage	5V	9V	12V	15V	18V	24V	
	Rated current	5.0A	3.0A	3.0A	2.4A	2.0A	1.5A	
	Current range	0-5.0A	0-3.0A	0-3.0A	0-2.4A	0-2.0A	0-1.5A	
	Rated power	25W	27W	36W	36W	36W	36W	
	Voltage Accuracy	±5%	±5%	±5%	±5%	±5%	±5%	
	Line Regulation	±1%	±1%	±1%	±1%	±1%	±1%	
0.11	Load Regulation	±5%	±5%	±5%	±5%	±5%	±5%	
Output	Ripple & Noise*	80mVp-p max	90mVp-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.)	84.25%	86.62%	87.40%	87.40%	87.40%	87.40%	
nput	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						
		* 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			$\mathbf{M}\Omega$
Operating Temperature		-10		40	20
Storage Temperature		-25		70	°C
Operating Humidity				90	0/ DL I
Storage Humidity				95	%RH
Altitude			-	2000	m
Lifetime	25°C	2			years
MTBF	MIL-HDBK-217F (25°C)	50000			hours

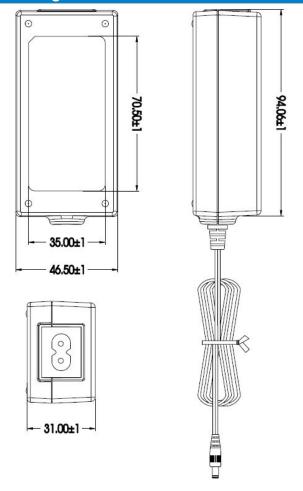
Physical Specifications				
Casing Material	PC,120°C 94V-0			
Color	Black/White(Other color can be designed by customization)			
Dimension	(L)94.06mm*(W)46.50mm*(H)31.00mm			
Weight	156g(Typ.)			
Cooling Method	Free air convection			

EMC Specifications				
EMI	RE	EN55032, CLASS B		
	CE	EN55032, CLASS B		
	ESD	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	IEC/EN61000-4-5 ±4KV/ ±4KV	perf. Criteria B	

Safety Standards				
Application fields	Standard Status Note			
IT	GB4943, UL60950, BS EN60950, EN60950, AS/NZS60950	Approved		
	K60950, J60950	Meet		
AV	GB8898, UL60065, BS EN60065, EN60065, AS/NZS60065, J60065	Meet		
Home appliances	GB4706, UL1310, BS EN61558-2-16, EN61558-2-16, AS/NZS61558-2-16, J61558-2-16	Meet		
Lighting	UL1310, BS EN61347, EN61347, J61347	Meet		

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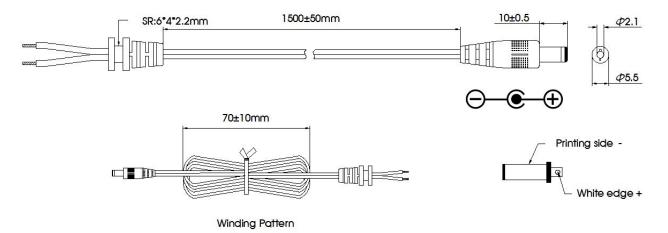
Mechanical Drawing



Remark:

No display tolerance: ±0.12 Unit: mm

DC Wire Drawing



NO.	ITEM	Q' TY	DESCRIPTION
			5V/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:

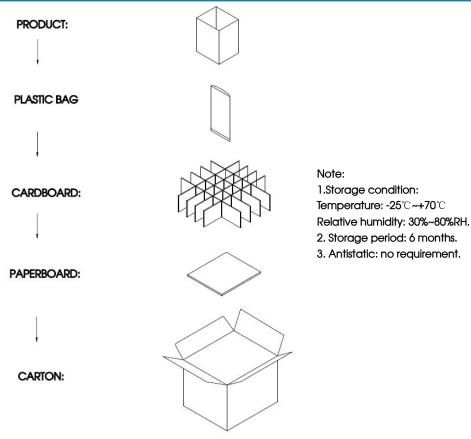
1.Compliance with RoHS2.No display tolerance: ±0.123.Unit: mm

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Package Drawing



Note:

- 1. Products are related to laws and regulations: see "Features" and "EMC".
- 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's corporate standards;
- 6. We can provide product customization service; Please contact our technicians directly for specific information;

Mornsun Guangzhou Science & Technology Co., Ltd.

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