(VI)

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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

MD65-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 and AS/NZS60950. The entire series supplies different models with output voltages range between 9V and 36V that can satisfy the demands for the various types of consumer electronic devices, telecommunication devices, office and civil applications devices.

Electric S	specifications	5						
Model		MD65-0900500Y-A	MD65-1200500Y-A	MD65-1500450Y-A	MD65-1800360Y-A	MD65-2400300Y-A	MD65-3600200Y-A	
	DC Voltage	9V	12V	15V	18V	24V	36V	
	Rated current	5.0A	5.0A	4.5A	3.6A	3.0A	2.0A	
	Current range	0-5.0A	0-5.0A	0-4.5A	0-3.6A	0-3.0A	0-2.0A	
	Rated power	45W	60W	67.5W	64.8W	72W	72W	
	Voltage Accuracy	±5%	±5%	±5%	±5%	±5%	±5%	
	Line Regulation	±1%	±1%	±1%	±1%	±1%	±1%	
	Load Regulation	±5%	±5%	±5%	±5%	±5%	±5%	
Output	Ripple & Noise*	90mVp-p max	120mVp-p max	150mVp-p max	180mVp-p max	240mVp-p max	360mVp-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.)	87.73%	88.00%	88.00%	88.00%	88.00%	88.00%	
Input	Input current	1.5A Max@100VAC, full load						
	Inrush current	Cold start: 40A/115VAC, 80A/230VAC						
	No load power	<0.21W						
	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, Continuo	ated output current 110%-200%, self-recovery liccup, Continuous, self-recovery					
Note		e are measured by 10uF electrolytic co	[,] 20MHz bandwidth apacitor.	n; at full load, 100-2	240VAC input, outp	out terminated wit	h a 0.1uF ceramic	

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65W AC/DC Adapter

MD65-Y-A Series

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General Specifications					
ltem	Operating Conditions	Min.	Typ.	Max.	Unit
Isolation Voltage	Input-output, Test 1 minute, leakage current<5mA	3000			VAC
Insulation Resistance	Input-output, add 500Vdc test voltage	100			MΩ
Operating Temperature		-10		40	
Storage Temperature		-25		70	°C
Operating Humidity				90	0/ 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)117.01mm*(W)56.03mm*(H)35.50mm		
Weight	230g(Typ.)		
Cooling Method	Free air convection		

EMC Specifications					
EMI	RE	EN55032, CLASS B			
EIVII	CE EN55032, CLASS B				
EMS	ESD	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	IEC/EN61000-4-5 ±6KV/ ±6KV	perf. Criteria B		

Safety Standards				
Application fields	Standard	Status	Note	
IT	GB4943, UL60950, BS EN60950, EN60950, AS/NZS60950, K60950, J60950	Meet		
Lighting	UL1310, BS EN61347, EN61347, J61347	Meet		

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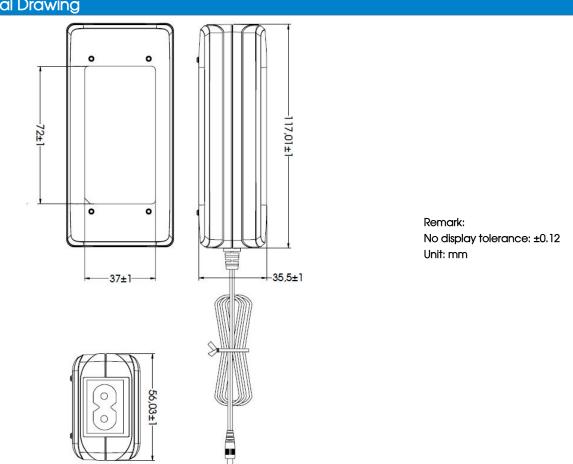
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65W AC/DC Adapter

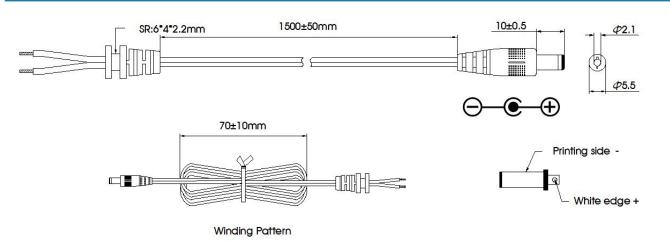
MD65-Y-A Series

Mechanical Drawing





DC Wire Drawing



NO.	ITEM	Q' TY	DESCRIPTION	Note:
			9V/12V/15V UL2468 18AWG/2C 80°C/300V L=1500mm	1.Compliance with RoHS
01	CABLE	1PCS	18V/24V UL2468 20AWG/2C 80°C/300V L=1500mm	2.No display tolerance: ±0.12
			36V UL2468 22AWG/2C 80°C/300V L=1500mm	3.Unit: mm
02	PLUG	1PCS	DC PLUG:5.5*2.1*10	



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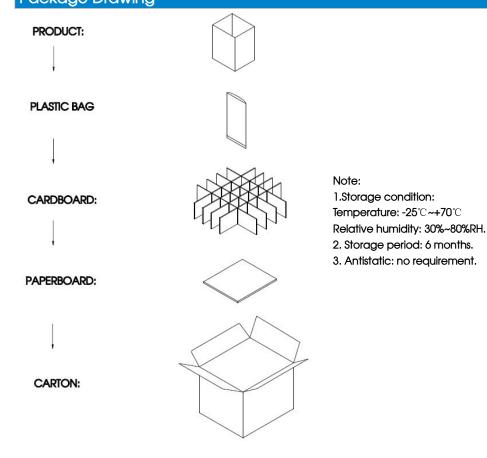
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65W AC/DC Adapter

MD65-Y-A Series

Package Drawing

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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;

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