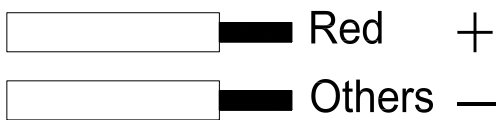


1. DC CORD: 2464 20AWG 300V 105°C L=1200mm ± 20mm;
2. DC Plug: Wire stripping and tin plating 10mm
3. Color: Black
4. All Dimension in mm
5. Weight : 205g

THE POLARITY :



IT-POWERSUPPLY



1.1	Input Characteristics		Remark
1.1.1	Rated input voltage	100-240VAC	
1.1.2	Operating range	90-264VAC	
1.1.3	Rated input frequency	50/60Hz	
1.1.4	Inrush starting current	$\leq 60A$	220VAC cold start full load
1.1.5	Maximum input current	$\leq 1A$	
1.1.6	Average Efficiency	$\geq 83\%$	115 OR 230VAC
1.1.7	Power factor PF value	≥ 0.4	
1.1.8	Maximum no-load power	$\leq 0.3W$	115 OR 230VAC

1.2	Output Characteristics		Remark
1.2.1	Rated output voltage	24VDC	
1.2.2	Output voltage range	24VDC \pm 5%	
1.2.3	Rating load current	1A	

1.2.4	Load current range	0-1A	
-------	--------------------	------	--

1.2.5	Maximum capacitive load	3000uF	cold position
1.2.6	Line regulation	The line regulation is less than $\pm 1\%$ while measuring at rated load and $\pm 10\%$ of input voltage changing	
1.2.7	Load regulation	The load regulation for output is less than $\pm 3\%$, at measured output load from 10% to 100% rated load .	
1.2.8	Ripple and noise	$\leq 100\text{mVp-p}$ Measurement is done by 20MHZ bandwidth oscilloscope and the output Paralleled a $0.1\mu\text{F}$ ceramic capacitor and a $10\mu\text{F}$ electrolysis capacitor.(test under the Condition of rated input and rated output)	
1.2.9	Turn on delay time	3000 mS . At nominal input AC voltage and full load	
1.2.10	Hold up time	5 mS minimum At nominal input AC voltage and full load	
1.2.11	Output over-shoot	Less than 10% of nominal voltage value	

1.3	Protection function		
1.3.1	Over current protection	1.2~2A	
1.3.2	Over voltage protection	35~42V Recovery after short circuit feedback loop	
1.3.3	Short-circuit protection	The charger is protected that a short happened between the output terminals and shall not result in a fire hazard, any damage to this charger and will be normal operation automatically while the short is removed	

3. Insulation And Safety Requirements

2.1	HI-Pot test	Input-Output	3750VAC. current 10mA max.(at25°C)the product to the insulation under test is gradually raised form zero to the prescribed voltage and held at that value for 2s		
		Input-Ground			
2.2	Insulation Impedance	$\geq 30M \Omega /500VDC$			
2.3	Safety Standard	MEET GB4943 UL 60950,CSA C22.2 No.60950,EN60950,IEC 60950			
	EMC Standard	EMI	MEET EN55032 FCC PART 15 GB/T9254-2008		
		EMS	project	requirements	Refer to Standard
			Surge	Common mode: $\pm 6KV$ Differential mode $\pm 6KV$	EN61000-4-5 IEC61000-4-5
			ESD	Contact discharge: $\pm 4KV$ Air discharge: $\pm 8KV$	EN61000-4-2 IEC61000-4-2
EFT	$\pm 2kV$		EN61000-4-4 IEC61000-4-4		

4.Environmental

Storage Temperature Range	-40~80°C
---------------------------	----------

3.1	Storage RH Range	5~95%	
3.2	Operating Temperature Range	-40~70 °C	
	Operating RH Range	20~90%	

5. Reliability And Mechanical Characteristics

Reliability	M.T.B.F (25°C)	100000H Min.
	Burn-in	48hour(The new model for first production for 48 hour;Mass production for 2 hours)
Mechanical Characteristics	Strain Relief Test	Distance plug or 30 cm SR position to impose a 10 pound weight, 1 minutes after the shift is less than 2 mm
	Drop Test Drop each side from 1M height to the hardwood which at least 13mm thick,total 6 times.	After test, body is not broken or disassembled, or damaged to access hazardous parts,electrical performance ok
	Cord Bending Test	The cord shall withstand a weight of <u>250</u> g, swinging from left to right at an angle of <u>120</u> degree, <u>40 cycle/min</u> , <u>1000</u> times minimum. The cord shall be conductible

6. Temperature profile

