

T2952AM T2953AM

T2954AM T2955AM

T2956AM

**STONTRONICS**

THE POWER TO SUPPLY

- Universal AC Input 90—264Vac
  - 1 year warranty
  - Safety: GS, UL, CE
  - RoHS Compliant



## ENVIRONMENTAL REQUIREMENTS

Operating temperature: 0°C – 40°C

Storage temperature : -25°C – +85°C

Operating humidity : 30% – 95%

Storage humidity : 30% – 98%

Operating bar : 1BAR

## INPUT REQUIREMENTS

Regular input voltage: AC 100 – AC 240V

Variable input voltage range : AC 90V—AV264V

Rating frequency : 50Hz—60Hz

Frequency range : 47Hz—63Hz

Input current : 0.18Arms MAX (at regular voltage & current)

## INTRODUCTION OF AMP9820

The S.M.P.S operated at input regular voltage AC 100V – 240V

The S.M.P.S should be capable of a total continuous DC power output of 7.5 Watts.

The S.M.P.S should be capable of a total peak 10 Watts.

The S.M.P.S should be able to single output only. Refer output rated & electrical specifications table

The S.M.P.S should not be fired or emitted smoke by protection when the circuit is short.

The S.M.P.S should carried max. power when the output circuit is short that the unit is really hot.

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### DC INSULATION RESISTANCE

Input – Output : 50M $\Omega$  minimum (at 500VDC)

Input – Body Metal : 50M $\Omega$  minimum (at 500VDC)

### DIELECTRIC WITHSTAND - VOLTAGE

Input – Output : 3750VAC minimum (1minute)

Input – Body Metal : 3750VAC minimum (1minute)

### MAIN FUSE

Input fuse is 10 OHM 1W fusible resistor

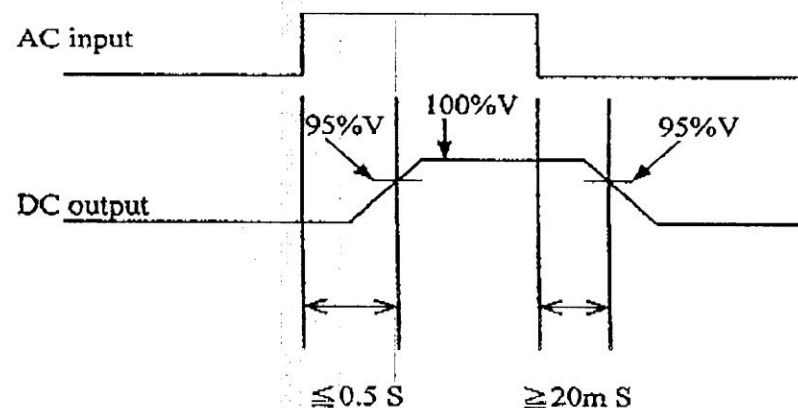
### INRUSH CURRENT

Peak inrush current shall be limited to 10A for a cold start

### TIME SEQUENCE

Time sequence should be satisfied to power ON/OFF

AC switch at ON/OFF



### EFFICIENCY

The efficiency of the S.M.P.S must be satisfied the minimum 70%.

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## SAFETY STANDARD

To meet ETL-UL1950, CETL-C22.2 NO.950, GS-DIN EN60950

## RFI EMISSION

To meet EN55014

## OUTPUT RATED & ELECTRICAL SPECIFICATIONS

|                          |      |       |       |       |       |      |       |        |       |       |       |
|--------------------------|------|-------|-------|-------|-------|------|-------|--------|-------|-------|-------|
| Rated output(V)          | 3    | 4.5   | 5     | 6     | 7.5   | 9    | 10    | 12     | 15    | 18    | 23    |
| Rated current(A)@240V    | 2    | 1.5   | 1.5   | 1.3   | 1.2   | 1    | 0.8   | 0.7    | 0.55  | 0.4   | 0.3   |
| Rated current(A)@100V    | 1.5  | 1.1   | 1.1   | 1     | 0.9   | 0.8  | 0.7   | 0.6    | 0.45  | 0.4   | 0.3   |
| Peak load current(A)     | 3    | 2     | 2     | 2     | 1.5   | 1.5  | 1.2   | 0.9    | 0.7   | 0.6   | 0.4   |
| Short output current (A) | 4    | 3     | 3     | 3     | 3     | 3    | 3     | 3      | 3     | 3     | 3     |
| Load variable range (A)  | 0-2  | 0-1.5 | 0-1.5 | 0-1.3 | 0-1.2 | 0-1  | 0-0.9 | 0-0.75 | 0-0.6 | 0-0.5 | 0-0.3 |
| Max. output voltage (V)  | 3.3  | 4.8   | 5.4   | 6.4   | 7.8   | 9.4  | 10.5  | 12.6   | 15.7  | 18.8  | 24    |
| Min. output voltage (V)  | 2.7  | 4.3   | 4.8   | 5.7   | 7.2   | 8.6  | 9.5   | 11.4   | 14.4  | 17.4  | 22    |
| Ripple & Noise(mV)       | 25   | 30    | 35    | 35    | 50    | 50   | 60    | 80     | 100   | 100   | 120   |
| Over voltage protection  | NO   | NO    | NO    | NO    | NO    | NO   | NO    | NO     | NO    | NO    | NO    |
| Over heat protection     | YES  | YES   | YES   | YES   | YES   | YES  | YES   | YES    | YES   | YES   | YES   |
| Rated power (W)          | 6    | 6.75  | 7.5   | 7.8   | 9     | 9    | 9     | 9      | 9     | 9     | 9     |
| Peak power (W)           | 10   | 10    | 10    | 10    | 10    | 10   | 10    | 10     | 10    | 10    | 10    |
| Switch frequency (KHZ)   | 130  | 130   | 130   | 130   | 130   | 130  | 130   | 130    | 130   | 130   | 130   |
| Insulation class         | II   | II    | II    | II    | II    | II   | II    | II     | II    | II    | II    |
| Consumes (W)             | <0.2 | <0.2  | <0.2  | <0.2  | <0.2  | <0.2 | <0.2  | <0.2   | <0.2  | <0.2  | <0.2  |



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