

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 : $50\text{M}\Omega$ minimum (at 500VDC)

Input – Body Metal : $50\text{M}\Omega$ 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

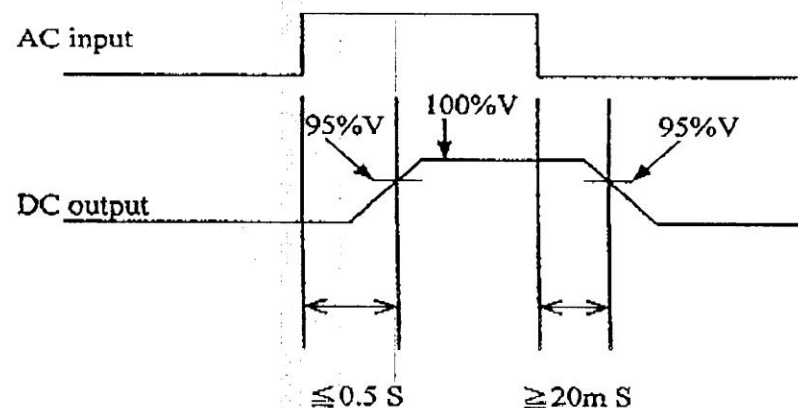
INRUSH CURRENT

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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