

# AC POWER SUPPLY SPECIFICATION



## MODEL NO - RND 320-00056

### INPUT

INPUT VOLTAGE	100 to 240 VAC
INPUT FREQUENCY	60/ 50 Hz
PROTECTIVE DEVICE	Fusible resistor; 5.1Ω, 1W, 5%
NO LOAD POWER CONSUMPTION	<0.1W
INPUT FULL LOAD CURRENT (at 100Vac)	0.25A

### OUTPUT

OUTPUT VOLTAGE	12V dc
OUTPUT CURRENT	1000mA

### OVERALL PERFORMANCE

TOTAL OUTPUT POWER	12 W Max
EFFICIENCY	Comply with ErP; level VI

### PROTECTION

■ OVER CURRENT PROTECTION	■ SHORT CIRCUIT PROTECTION
■ OVER VOLTAGE PROTECTION	■ L.P.S (Limits for power source)
■ OVER POWER PROTECTION	□ AUTOMATIC THERMAL PROTECTION

### HI-POT

INPUT TO OUTPUT	3000Vac 5 mA 50 Hz
INPUT TO CASE	3000Vac 5 mA 5Hz
OUTPUT TO CASE	500 Vac 5 mA 50Hz
ISOLATION RESISTANCE	100 M Ohms I/P-O/P I/P/Enclosure
APPLIANCE	Class II

### ENVIRONMENTAL

OPERATING TEMPERATURE	0 °C to 40 °C
STORGE TEMPERATURE	-20 °C to 60 °C
OPERATING HUMIDITY	20%-85% RH. NON-CONDENSING
STORGE HUMIDITY	10%-90% RH. NON-CONDENSING

### APPROVAL

SAFETY STANDARDS	EN62368-1:2014+A11:2017
EMC	EN 61204-3:2000

### RELIABILITY

MTBF	30000 Hours min
BURN-IN	4 Hours 25°C, full load, 220Vac, 50Hz

## MECHANICAL SPECIFICATION\

DIMENSION	76.9mm(L)* 43.8mm(W)* 35.4 mm(H) (excluded plug) 76.9mm(L)* 43.8mm(W)* 72.7 mm(H) (included plug)
WEIGHT	116g (excluding packaging)
INPUT PLUG	Direct plug-in; EU type
OUTPUT CABLE	1.8m Black and white wires,
OUTPUT CONNECTOR	Plug G: 5.5x2.5/12

## OTHER SPECIFICATIONS

TIME SEQUENCE	<p>Time sequence should be satisfied to power ON/OFF, restart inpower failure AC switch at ON/OFF</p> <p>The diagram illustrates the time sequence for power ON/OFF and restart. It shows two waveforms: AC input and DC output. The AC input is a square wave. The DC output is a ramp that rises from 95%V to 100%V during the AC ON period and falls back to 95%V during the AC OFF period. The rise time is labeled as <math>\leq 1.0S</math> and the fall time as <math>\geq 20m S</math>.</p>
DROP TEST	<p>Test condition: 6 face, each face 1 time 70 cm, on the 5mm wooden board. RESULT: Without opening of case and crack, etc. electric characteristic shall be satisfied light crack after test is acceptable.</p>
ENVIRONMENTAL TEST	<p><b>LOW TEMPERATURE STORAGE TEST</b> Keep on -30°C(Packing) for 168 hours, and check the action after 3 hours in25°C. RESULT: All normal function and meet specification.</p> <p><b>HIGH TEMPERATURE STORAGE TEST</b> Keep on +70°C(Packing) for 168 hours, and check the action after 3 hours in25°C. RESULT: All normal function and meet specification.</p> <p><b>HIGH HUMIDITY STORAGE TEST</b> Keep on +45°C, 95%RH (Packing) for 168 hours, and check the action after3hour in 25°C. RESULT: All normal function and meet specification.</p> <p><b>TEMPERATURE CYCLE TEST</b> Keep on -45°C(Packing) for 1 hour, then keep on +85°C(Packing) for 1 hourRepeat this cycle until 10 cycle, check the action after an hour in 25°C. RESULT: All normal function and meet specification.</p>

# Appearance

