# SWITCHING ADAPTER

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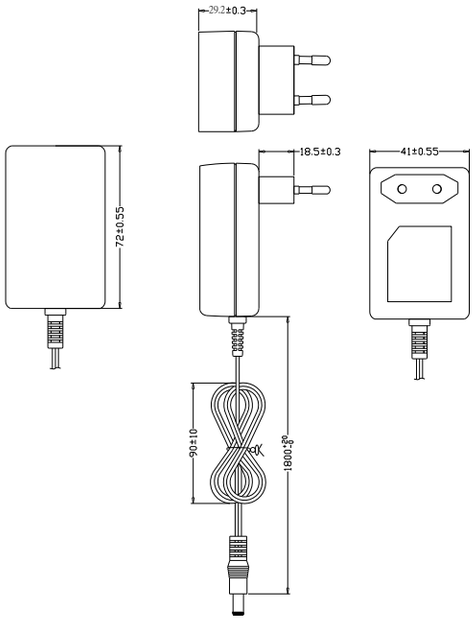
|---|---|---|
| **TDC Power Products Co.,Ltd**<br>**Cheng Yen Electronic Co.,Ltd** | **SA8E-050-3000** | **INPUT VOLTAGE : 100~240VAC**<br>**OUTPUT VOLTAGE : 5VDC** |

## SWITCHING POWER SUPPLY SPECIFICATION REV:1-0

**Drawing:**




### ELECTRONICAL SPECIFICATION

INPUT VOLTAGE : 100~240 Vac INPUT RANGE VOLTAGE 90~264 Vac

INPUT FREQUENCY : 50~60 Hz INPUT RANGE FREQUENCY 47~63 Hz

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|---|---|---|
| INPUT CURRENT : | 0.4 | Amp. rms. at 100 Vac |
| INRUSH CURRENT : | 30 | Amp. peak at 100 Vac |
| | 50 | Amp. peak at 240 Vac |
| | Tested At Max. load | 25℃ , Cold start |
| OUTPUT VOLTAGE : | 5 | V |
| REGULATION : | ± 5 | % |
| MIN. LOAD CURRENT : | 0 | A |
| MAX. LOAD CURRENT : | 3 | A |
| RIPPLE AND NOISE 1 : | 120 | mVp-p Max. At 100 Vac, 50 Hz, Max. load 25℃ |
| RIPPLE AND NOISE 2 : | 120 | mVp-p Max. At 240 Vac, 60 Hz, Max. load 25℃ |
| NOISE TEST BANDWIDTH : | 20 | MHz |

Each output bypassed by a 10uF electrolytic capacitor parallel with a 0.1uF ceramic capacitor to GND.

LINE REGULATION : INPUT = 100 ~ 240 Vac. output loaded at Max. load.
REGULATION = ± 5 %

TOTAL OUTPUT : 15 W

POWER EFFICIENCY : 76.4% Min. at 100~240 Vac 50/60 Hz. Max. load.

OVER CURRENT PROTECTION , SHORT CIRCUIT PROTECTION

TOTAL POWER PROTECTION : 27 W THE STANDBY POWER : 0.3 W max.

### MECHANICAL SPECIFICATION

DIMENSIONS: 79.6 (L) * 52.5 (W) * 37.2(H)mm (Tolerance as drawing)

WEIGHT: 195 g Max.

OPERATING TEMPERATURE: 0℃ To 40℃

STORAGE TEMPERATURE: -20℃ To 60℃

RELATIVE TEMPERATURE: 40℃ ± 2℃

MTBF: 50,000 hrs to MIL-HDBK-217F Warranty: 2 years

**Input Cable :** DIRECT PLUG-IN

**Output Cable :** SPT-1 18#*2C*105℃*7.8M
+5.5*2.1*11mm DC Plug BK

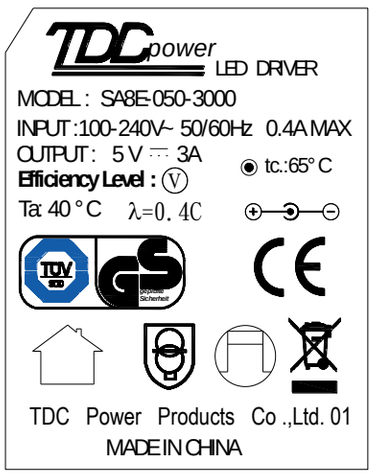
### STANDARD

**Safty**:EN60950. **EMC**:EN55022,EN55024,EN61000-3-2,EN61000-3-3.

***RELATIVE HUMIDITY*** 85% **RH. Non-condensing**

**LABEL:**

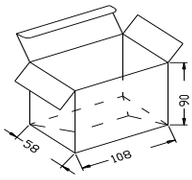
SIZE:34.2*27.2mm

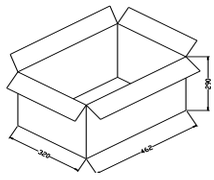



**INNER BOX:**

**Material:WEB**

**BOX:108*58*90mm**




**CARTON:462*320*290mm**
**Material:K=A NoNail**

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|---|---|---|
| **Q'TY** | **60** | **PCS** |
| **N.W. :** | **11.7** | **KGS** |
| **G.W.:** | **13.7** | **KGS** |
| **MEAS:** | **1.52** | **CUFT** |

**PHOTO**

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