

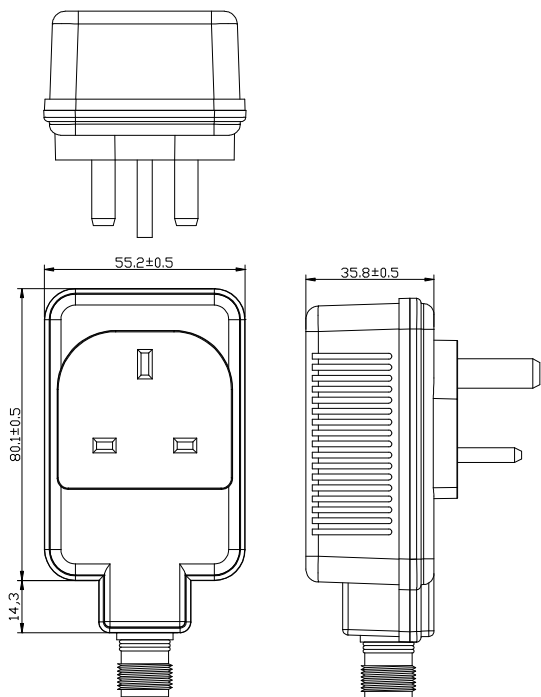
**TDC Power Products Co.,Ltd**  
**Cheng Yen Electronic Co.,Ltd**

**SA8B-120-1670**

**INPUT VOLTAGE : 220~240VAC**  
**OUTPUT VOLTAGE : 12VDC**

## SWITCHING POWER SUPPLY SPECIFICATION REV:1-0

### Drawing:



### ELECTRONICAL SPECIFICATION

INPUT VOLTAGE : 220~240 Vac    INPUT RANGE VOLTAGE 200~264 Vac  
INPUT FREQUENCY : 50 Hz    INPUT RANGE FREQUENCY 47~53 Hz  
INPUT CURRENT : 0.3 Amp. rms. at 240 Vac  
INRUSH CURRENT : 50 Amp. peak at 240 Vac  
Tested At Max. load 25°C , Cold start

OUTPUT VOLTAGE : 12 V  
REGULATION : ± 5 %  
MIN. LOAD CURRENT : 0 A  
MAX. LOAD CURRENT : 1.67 A  
RIPPLE AND NOISE : 200 mVp-p Max. At 240 Vac, 50 Hz, Max. load 25°C  
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 = 220 ~ 240 Vac,output loaded at Max. load.  
REGULATION = ± 5 %

TOTAL OUTPUT : 20 W  
POWER EFFICIENCY : 80% Min. at 220~240 Vac 50 Hz, Max. load.  
OVER CURRENT PROTECTION , SHORT CIRCUIT PROTECTION  
TOTAL POWER PROTECTION : 40 W  
OVER VOLTAGE PROTECTION : 15 Vdc Max.

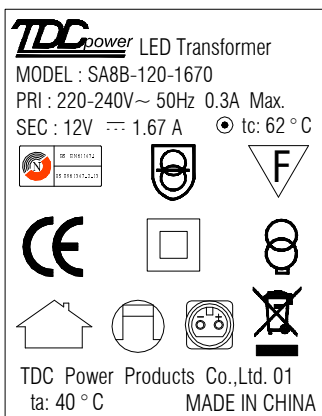
### MECHANICAL SPECIFICATION

Dimensions : 94.4 (L) \* 55.2 (W) \* 35.8(H)mm (Tolerance as drawing)  
Weight : 215 g Max.  
Operating Temperature : 0°C To 40°C  
Storage Temperature : -15°C To 50°C  
Relative Temperature : 40°C ± 2°C  
MTBF: 50,000 hrs to MIL-HDBK-217F    Warranty: 2 years

**Input Cable : DIRECT PLUG-IN**

**Output Cable :** 2Pin Φ2.35 waterproof  
Female socket BK

**LABEL:**  
SIZE:34.6\*44.6mm



### STANDARD

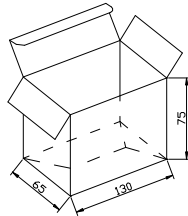
Safety:EN61347-1,EN61347-2-13.    EMC:EN61547,EN55015,EN61000-3-2,EN61000-3-3.

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

### INNER BOX:

**Material: WEB**

**BOX: 130\*65\*75mm**



**CARTON: 540\*350\*250mm**

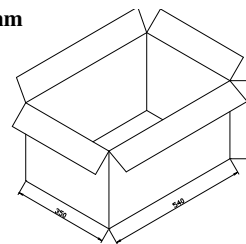
Material:K=A No Nail

Q'TY: 60 PCS

N.W.: 13 KGS

G.W.: 15 KGS

MEAS: 1.57 CUFT



### photo

