

DATE: 2025/10/14 (YY/MM/DD)

Customer : ASKA ELECTRIC SERVICE CO.,LTD.

Confidential

# APPROVAL SHEET

RoHS Compliant

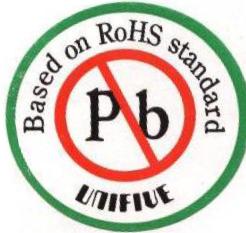
PRODUCT : AC/DC ADAPTOR

MODEL : UNI130-1225

PART NO. : JASK-0701

VER. : 251014 V1

CUSTOMER NO. :



Receiver's stamp or signature

PLEASE APPROVE & RETURN BEFORE 2025/10/28  
OR WE WOULD REGARD IT BEEN CONFIRMED.

RESPONSIBLE	APPROVED	ISSUED
楊全亮 2025/10/14	楊紅梅 2025/10/14	張穎穎 2025/10/14

「 Due to market conditions or safety regulations change, we may submit your request for a change in parts or safety specifications. If you have not placed an order for more than two years, we will not initiate these changes until we receive a new order from you, and we will reconfirm it and get back to you as to whether you can continue production or need to make changes. 」

「 No part of this specification may be reproduced or reprinted in any form or by any means without the prior written permission of the Company. 」

「 The disclaimer applicable to the product described in this specification document is stated on  
<https://en.unifive.com/quality-assurance.html>

Signing back this specification document will be considered as agreeing to the disclaimer. 」

**UNIFIVE**

UNIFIVE CO., LTD

## Revised History

NO.	Revised Date	Description		ISSUED
		After	Before	
	2025/8/5	FIRST ISSUED		張穎穎
1	2025/10/14	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>Model No: UNI130-1225</p> <p>IP:AC 100V 50/60Hz 70VA OP:DC 12V 2.5A JET UNIFIVE CO., LTD.</p> <p>○—○—○</p> <p>JASK-0701</p> <p>POWER SUPPLY</p> <p>MADE IN CHINA</p> <p>CENTURY SYSTEMS Co.,Ltd</p> <p>S/N: XXX-XXXXXX</p> </div> <div style="text-align: center;">  <p>Model No: UNI130-1225</p> <p>IP:AC 100V 50/60Hz 70VA OP:DC 12V 2.5A JET UNIFIVE CO., LTD.</p> <p>○—○—○</p> <p>JASK-0701</p> <p>POWER SUPPLY</p> <p>MADE IN CHINA</p> <p>S/N: XXX-XXXXXX</p> </div> </div> <div style="text-align: center; margin-top: 10px;">CHANGE 11.LABEL</div>		張穎穎

PS:  CHANGE MARKING

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## CONTENTS :

1.INPUT SPECIFICATION

2.OUTPUT SPECIFICATION

3.MECHANICAL

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10.PACKING

11.LABEL



## 1.INPUT SPECIFICATION

ITEM	SPECIFICATION	MIN	TYPICAL	MAX
AC INPUT VOLTAGE	SINGLE PHASE		100Vac	
AC INPUT VOLTAGE RANGE	SINGLE PHASE	90Vac		110Vac
AC INPUT FREQUENCY	SINGLE PHASE	47Hz	50/60Hz	63Hz
AC INPUT CURRENT	TYPICAL INPUT VOLTAGE & OUTPUT AT FULL LOAD.		0.7A	0.9A
AC INRUSH CURRENT	TYPICAL INPUT VOLTAGE & FOR A COLD START AT 25°C.			80A
EFFICIENCY	TYPICAL INPUT VOLTAGE & OUTPUT AT FULL LOAD	83.00%		
STAND BY CONSUMPTION	TYPICAL INPUT VOLTAGE & OUTPUT AT NO LOAD			0.1W
LEAKAGE CURRENT	MAX INPUT VOLTAGE			0.707mA peak

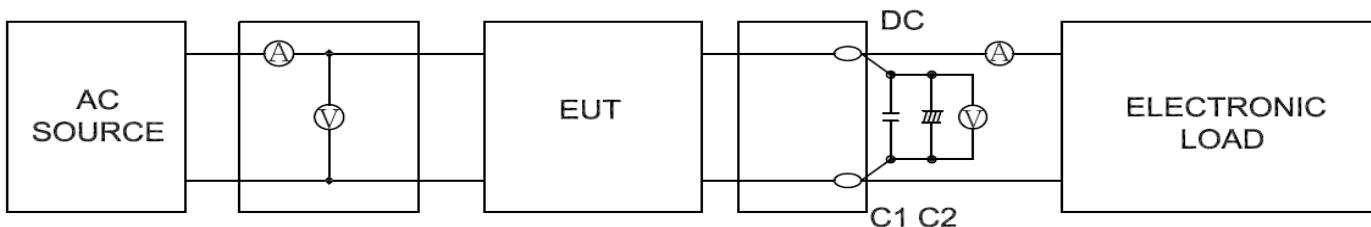
## 2. OUTPUT SPECIFICATION

ITEM	SPECIFICATION	MIN	TYPICAL	MAX
NOMINAL DC OUTPUT VOLTAGE			12Vdc	
DC OUTPUT VOLTAGE RANGE	TYPICAL OUTPUT VOLTAGE	11.4Vdc		12.6Vdc
LOAD CURRENT				2.5A
RIPPLE	TYPICAL INPUT VOLTAGE , FULL LOAD CURRENT , 25°C			240mV
NOISE	TYPICAL INPUT VOLTAGE , FULL LOAD CURRENT , 25°C			240mV
HOLD-UP TIME	AT TYPICAL INPUT VOLTAGE AND FULL LOAD ,50Hz	10mS		
TURN-ON DELAY	TYPICAL INPUT VOLTAGE AND FULL LOAD CURRENT			3S
DYNAMIC TEST	TYPICAL INPUT VOLTAGE,20%-80% LOAD,TH 5mS TL 5mS, 100mA/uS	11.04Vdc		12.96Vdc

## PROTECTION

OVER CURRENT PROTECTION	LATCH, THE MINIMUM POSSIBLE PROTECTION POINT IS 105% OF THE RATED LOAD AT TYPICAL INPUT VOLTAGE
SHORT CIRCUIT PROTECTION	THE ADAPTOR SHALL NOT DAMAGE BY SHORT TO THE DC OUTPUT GROUND
OVER VOLTAGE PROTECTION	LATCH, AT TYPICAL INPUT VOLTAGE

## TEST MEASURES



### C1: 0.1uF CERAMICS CAPACITOR

## C2: 10uF LOW ESR ALUMINUM CAPACITOR

THE BANDWIDTH OF OSCILLOSCOPE IS SET WITH 20MHz

## 3.MECHANICAL

ITEM	SPECIFICATION OR TEST CONDITION	ACCEPTANCE CRITERIA
BENDING TEST	NORMAL TEMPERATURE THE PLUG SHALL WITHSTAND WEIGHT OF 2.94N, IT SWINGS FROM LEFT TO RIGHT AT AN ANGLE OF 60DEG. 500 TIMES MIN., S/R SHALL WITHSTAND WEIGHT OF 2.94N. IT SWING FROM LEFT TO RIGHT AT AN ANGLE OF 60DEG. 500 TIMES MIN., BENDING SPEED 40CYCLE/MIN.	NO SHORT CIRCUIT THE BREAK RATE OF WIRE SHALL BE BELOW 30%.
VIBRATION	DURATION:30MINUTES AMPLITUDE:0.35mm FREQUENCY RANGE:10Hz…55Hz…10Hz SWEEP RANGE: APPROXIMATELY 1 OCTAVE / MIN	THERE SHALL BE NO ABNORMALITY ON THE APPEARANCE STRUCTURE AND OPERATING

## 4.RELIABILITY

ITEM	TEST CONDITION	ACCEPTANCE CRITERIA
TEMPERATURE UP WITH FULL LOAD	TEST AT SURFACE OF THE CASE WITH TYPICAL AC INPUT AND FULL LOAD IN OUTPUT 50/60Hz	TEMPERATURE RISEN MEET SAFETY APPROVALED AT THE SURFACE OF CASE
HI-POT TEST	BETWEEN INPUT & OUTPUT 1000Vac 60 SECONDS 10mA, IT IS BASE ON 別表第八 TEST PROCEDURE. FOR MASS PRODUCTION, IT IS TESTED BY 1200Vac/1 SECOND.	NO DAMAGE
INSULATION RESISTANCE	INPUT TO OUTPUT, DC 500V	>50MΩ (below at R.H 70%). >10MΩ (at R.H 71 ~ 95%). *Put it into normal temperature & humidity for 24H, when testing. (Ta:20~30 °C, below R.H 70%)
MTBF	TYPICAL INPUT & FULL LOAD AT 25°C	100000 HOURS (min)
BURN-IN TEST	AT 30°C (±10°C), TYPICAL INPUT VOLTAGE	2~4 HOURS
IEC61000-4-2 ESD TEST	AIR DISCHARGE ±8KV CONTACT DISCHARGE ±4KV	NO DAMAGE 1 ROUND/SEC ABOVE
IEC61000-4-5 SURGE WITHSTAND	LINE TO LINE: ±1kV	NO DAMAGE
LIFE	TYPICAL INPUT & 2A LOAD AT 40°C	5 YEARS MIN

## 5.ENVIRONMENT

ITEM	SPECIFICATION OR TEST CONDITION	MIN	TYPICAL	MAX
OPERATING TEMPERATURE		0°C		40°C
STORAGE TEMPERATURE		-20°C		65°C
OPERATING HUMIDITY	NON-CONDENSING	5%RH		95%RH
STORAGE HUMIDITY	NON-CONDENSING	5%RH		95%RH

## 6. OUTLOOKING

DIMENSION	113.5(L)*54.0(W)*36.3(H) TYP
WEIGHT	ABOUT 186g
AC INPUT TYPE	IEC 320 C8
DC OUTPUT TYPE	EIAJ4(5.5*3.3*1.0*9.5)
DC OUTPUT CABLE	USE UL 1185 18 AWG WIRE
INDICATION	LASER MARKING
FLAMMABILITY OF POWER SUPPLY ADAPTER ENCLOSURE IS 94V0	
FLAMMABILITY OF PWB IS 94V0	

## 7. QC CHECK

ALL OF THE QUANTITY SHALL BE CHECKED BEFORE SHIPMENT, CHECK ITEM AS BELOW:

- (1) DC PLUG POLE CHECK
- (2) DC OUTPUT VOLTAGE CHECK
- (3) HI-POT & INSULATION CHECK
- (4) OUTLOOKING CHECK

## STANDARD OF RoHS

NO.	chemical substances group
1	Cadmium
2	Chromium(VI)
3	Lead
4	Mercury
5	Polybrominated biphenyls (PBBs)
6	Polybrominated diphenyl ethers(PBDEs)

Effective in 1st Jan. 2019

NO.	chemical substances group
1	Bis (2-ethylhexyl) phthalate (DEHP)
2	Butyl benzyl phthalate (BBP)
3	Dibutyl phthalate (DBP)
4	Diisobutyl phthalate (DIBP)

FOR ENVIRONMENTAL IMPACT SUBSTANCES CONTAINED IN PARTS. COMPLY WITH "RoHS 2.0"

## 8. STANDARD

## SAFETY

COMPLY SAFETY STANDARDS	STANDARD
PSE	別表第八

Manufacturer: UNIFIVE TECHNOLOGY ( SHENZHEN) CO., LTD.

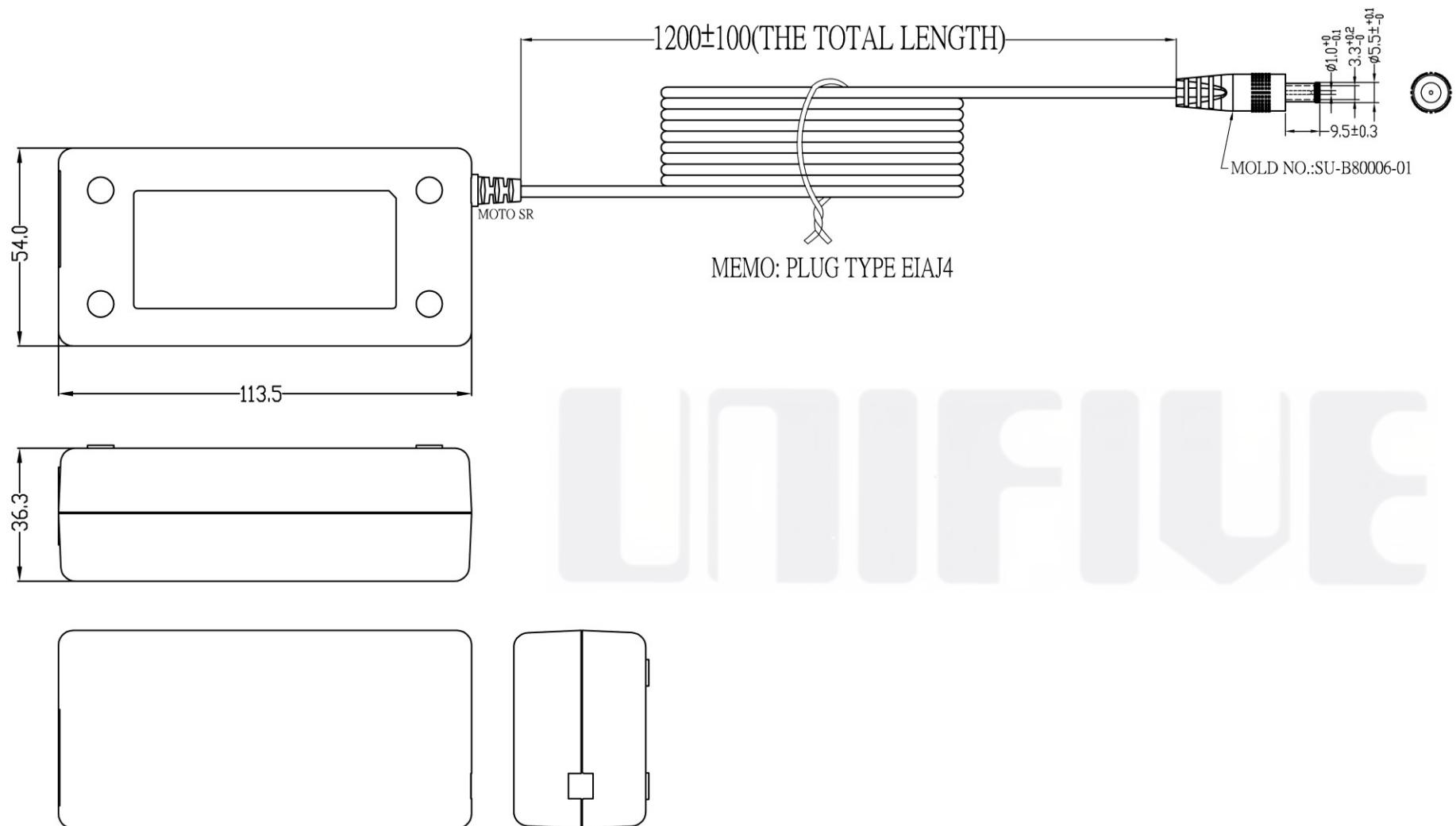
Factory Address: 101,201,301,BLDG E DATIANYANG INDUSTRIAL ZONE LONGMEN VLG  
HONGXING SONGGANG ST BAOAN DISTRICT SHENZHEN GUANDONG, 518105 CHINA

## EMC (EMI+EMS)

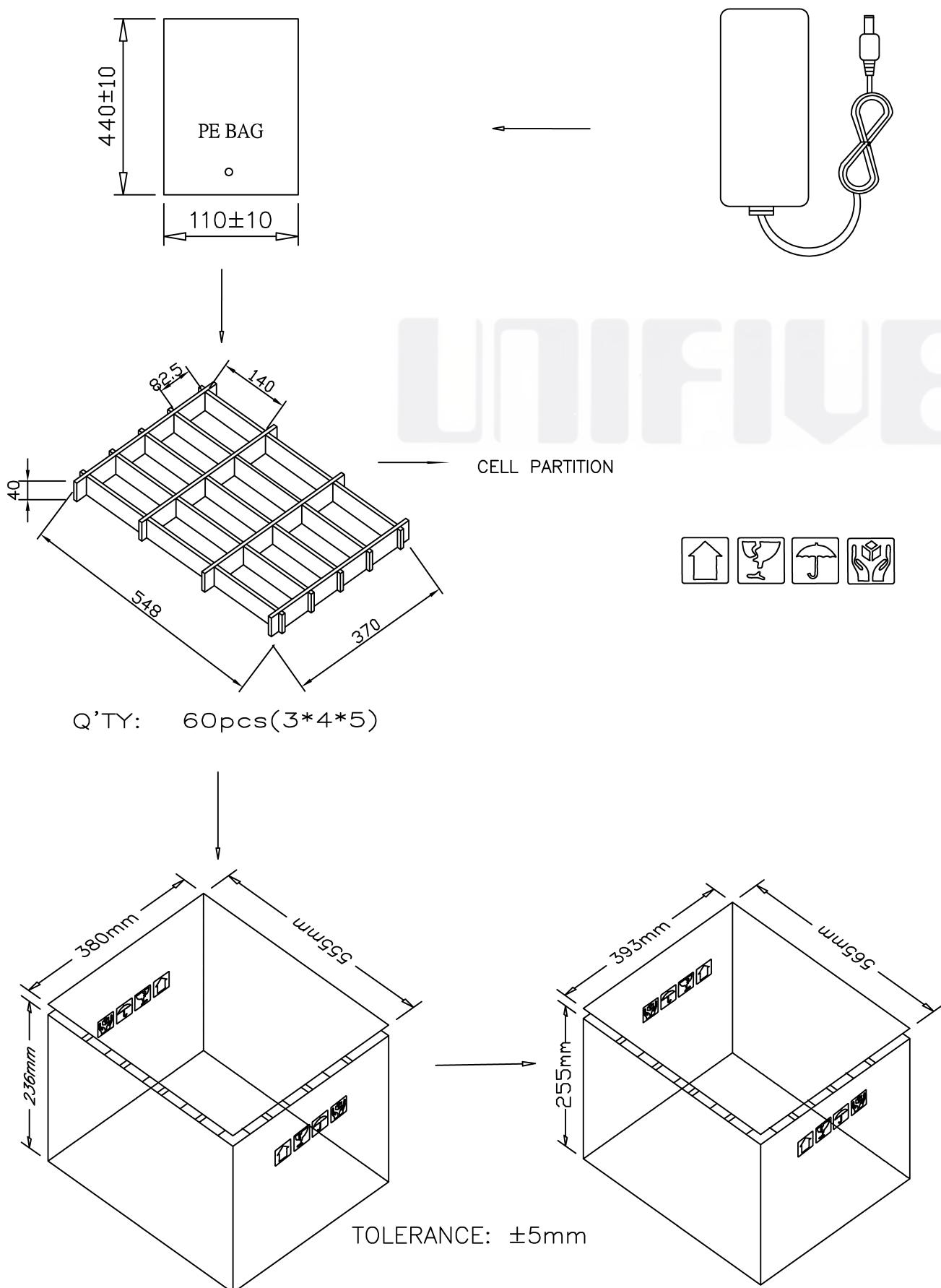
COMPLY STANDARDS	STANDARD
FCC	FCC Part 15
VCCI	CLASS B

The EMC result will be affected when connecting of end device. The end user should be re-test the EMC of the complete set of equipments  
The value which list on the spec, were tested by resistance.

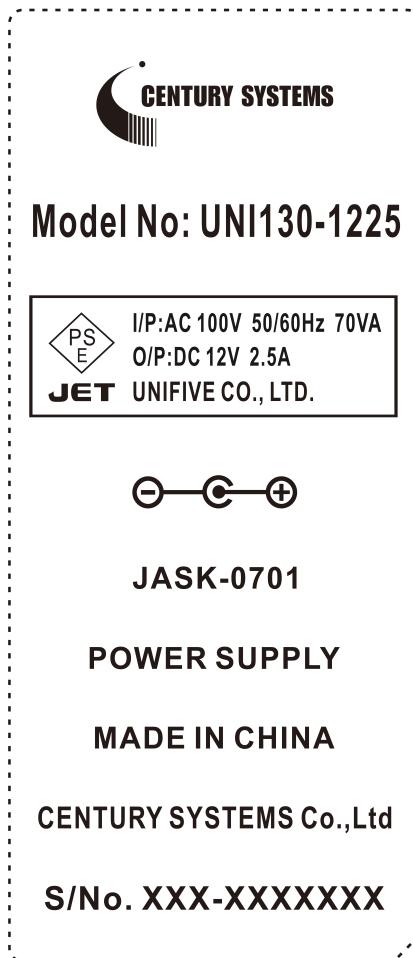
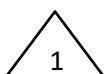
## 9.PRODUCT DRAWING

CASE TOLERANCE:  $\pm 0.8\text{mm}$ 

## 10.PACKING



## 11. LABEL (LASER MARKING)



S/No. XX - XXXXXX - XXXXXX  
 ↓      ↓      ↓  
 YEAR    MONTH    SERIAL NUMBER

About S/No. From the year of 2010, notation of year will be as below;

ex. 2025/10...R10-XXXXXXX

2026/01...S01-XXXXXXX

2027/01...T01-XXXXXXX

2028/01...U01-XXXXXXX

2029/01...V01-XXXXXXX

(A,B,C~Z)the letters of "I" and "O" will not be used.(In order not to make confusion of 1 and 0)

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