Fuyuang®
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產 品 確 認 書
PRODUCT FOR APPROVAL

客 戶
CUSTOMER: _____

發 行 日 期
ISSUE DATE: 2020-5-7

品 名
ARTICLE: SWITCHING POWER SUPPLY

規 格
SIZE: AC 100-240V / DC 42V 7A

標 準
STANDARD: UL CUL GS CE SAA PSE 3C

標 準 編 號
DESCRIPTION: FY42007000

客 戶 料 號
CUSTOMER NO: _____

本 廠 型 號
OUR MODEL NO: _____

顏 色
COLOR: 黑 色 BLACK

製 作 PREPARED BY	審 核 APPROVED BY	確 認 APPROVAL BY

請將產品确認書簽回本公司
PLEASE SIGN BACK

SPECIFICATION 規格

1.0 THIS SPECIFICATION SUBJECT TO APPLICATION SAFETY STANDARD : J60335 UL1012 EN60335

CONDUCTED OF EMI CISPR22 CLASS OF INSULATION B

本規格追溯至安全 J60335 UL1012 EN60335 電磁兼容 CISPR22 絕緣等 B

2.0 MECHANICAL CHARACTERISTICS 机械特性 :

2.1 STRAIN RELIEF TEST : EACH TERMINAL OF THE PRODUCT SHALL BE CAPABLE OF WITHSTANDING AN AXIAL PULL OF 2 KG APPLIED GRADUALLY AND MAINTAINED FOR , 60 SECONDS , WITHOUT LOOSENING , BREAKING OR OTHER DAMAGE .

應力測試 : 產品每個引線端子可以承受的軸向拉力為 2 千克 , 持續時間 60 秒 , 無松脫, 阻斷, 或其它損坏現象.

2.2 DROP TEST : PRODUCTS SHALL BY DROPPED FORM A HEIGHT OF 90 CM , ONTO A DRY WOOD SURFACE , ITS THICKNESS IS 1 CM , AFTER SHALL NO ABNORMAL CONDITION HAPPEN , AND INSULATION TEST 10 MΩ MIN .

跌落試驗 : 產品自高度為 90 CM, 跌落在厚度為 1 CM 松木板面后,無异常, 絕緣電阻測試 , 最小 10M 歐姆.

2.3 CORD BENDING TEST: THE CORD SHALL WITHSTAND A WEIGHT OF 200 GM , IT SWINGS FROM LEFT TO RIGHT AT AN ANGLE OF 120 DEGREE (TOTAL) 300 TIMES , CORD BE CONDUCTIBLE

電線搖擺試驗 : 電線吊重 200 克 , 左右擺動角度 120 度, 300 回合后仍須導通 .

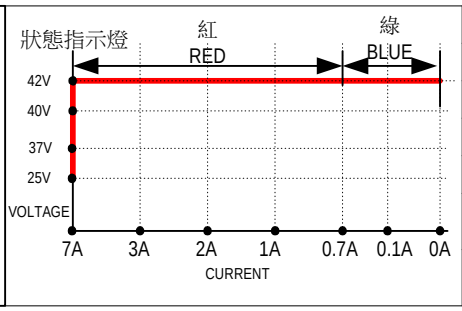
3.0 GENERAL APPEARANCE : THE GENERAL APPEARANCE OF THE PRODUCT SHALL BY ACCEPTABLE WITHOUT DEFORMATION ,CRACKS OR CORROSION .

外 觀 : 產品一般外觀為, 摟受沒有變形, 裂縫和鏽蝕.

4.0 INPUT VOLTAGE 輸入電壓:

PLUG	MINIMUM	NORMAL	MAXIMUM
	100VAC 50/60Hz	230VAC 50/60Hz	264VAC 50/60Hz

4.1 OUTPUT VOLTAGE 輸出電壓:



1. CHARGING VOLTAGE MAX. 最高充電電壓 :42±0.2VDC
2. CHARGING HOLD VOLTAGE 充電保持電壓 :42±0.2VDC
3. CHARGING VOLTAGE MIN. 最低充電電壓 : 25VDC
4. CHARGING CURRENT 充電電流 : 7A±0.7A
5. LOADING 負載:4.2VX10S LI-ION BATTERY
6.WHEN CHARGING CURRENT <0.7A, THE LED LIGHT TURN TO GREEN. 綠色狀態發光二极管點亮 , 充電電流小于0.7A.
7.WHEN A SINGLE COMPONENT FAILS, THE CHARGING VOLTAGE <42.5. 單一零件故障時，充電電壓小于42.5V.

4.2. INPUT CURRENT 輸入電流:

	AC 100V 50/60Hz	AC 230V 50/60Hz	AC 264V 50/60Hz
NO LOAD		50mA Max	
LOADING		3.6A Max	

4.3 INPUT POWER :NO LOAD 0.5 W MAX , AT INPUT 100-240 VAC 50/60 Hz .

LOADING 350 W MAX , AT RATED OUTPUT .

輸入功率 : 空載 0.5 W 最大 , 在輸入電壓 100-240 VAC 50/60 Hz.

負載(I l) 350 W 最大

4.4 EFFICIENCY 效率 : 92 % MIN. AT RATED INPUT AND OUTPUT

4.5 TEMPERATURE RISING 溫 升 : CASE 75 ℃ MAX . FOR RATED OUTPUT

4.6 INSULATION RESISTANCE 絕 緣 電 阻 : 500 VDC 100 MΩ MIN .

4.7 DIELECTRIC WITHSTAND TEST : 5mA 3000 VAC FOR 60 SECOND BETWEEN INPUT AND OUTPUT INPUT AND CASE, AT AN ALTERNATIVE POTENIALS 5% HIGHER MAY BE APPLIED FOR 1 SECOND .

耐壓測試 : 5mA 3000 VAC 時間 1 分鐘 , 在 輸入和輸出 , 輸入和外殼之間 , 時間 1 分鐘 , 在選擇提高耐壓 5% 時 , 應用時間 為 1 秒 .

4.8 INRUSH CURRENT 沖擊電流 : PEAK INRUSH CURRENT SHALL BE LIMITED 30A FOR A COLD START

4.9 POWER FACTOR 功率因數 : 0.9 MIN.

5.0 ENVIRONMENTAL環境 :

5.1 OPERATING TEMPERATURE RANGE : THE OPERATIN TEMPERATURE OF THE PRODUCT SHALL BY FROM -29 ℃ TO + 45.5 ℃ .

工作環境溫度范圍 : -29 ℃ TO + 45.5 ℃ .

5.2 STORAGE TEMPERATURE RANGE : THE STORAGE TEMPERATURE OF THE PRODUCT SHALL BY FROM -40 ℃ TO + 75 ℃ .

儲存環境溫度范圍 : -40 ℃ TO + 75 ℃ .

5.3 RESISTANCE TO HEAT: WHEN TESTED WITHIN 10 MINUTES AFTER PRODUCT HAS BEEN PLACED IN A TEST CHAMBER MAINTAINED AT 105 ℃ ±3 ℃ FOR 16 HOURS , THE PRODUCT SHALL COMPLY WITH THE REQUIREMENTS OF 4.7 , DIELECTRIC WITHSTAND TEST , SHALL HAVE INSULATION RESISTANCS NOT LESS THAN STATED BELOW AS MEASURED AT 500VDC 10 MEGOHMS MINIMUM BETWEEN THE INPUT AND THE OUTPUT, INPUT AND CASE TOGETHER , 10 MEGOHMS MINIMUM .

耐熱 : 經測試后的產品,放置在 105 ℃ ±3 ℃ . 高溫箱內,經過16小時后 , 進行測試, 產品必須符合 4.7項耐壓測試要求 , 絕緣電阻 : 500VDC不少于 10 M 歐姆 , 在輸入和輸出 , 輸入和外殼之間 .

5.4 RESISTANCE TO MOISTURE : THE PRODUCT SHALL BY PLACED IN A TEST CHAMBER MAINTAINED AT 40 ℃ ± 2 ℃ AT 90% ~ 95% RELATIVE HUMIDITY FOR 6 HOURS . THEN , WHEN TESTING 10 MINUTES SAFTER THE PRODUCT IS TAKEN OUT FROM THE TEST CHAMBER AND WIPED DRY , THE PRODUCT SHALL COMPLY WITH THE REQUIREMENTS OF 4.7 DIELECTRIC WITHSTAND TEST , AND SHALL HAVE INSULATION RESISTANCE NOT LESS THAN STATED BELOW AS MEASURED AT 500VDC 10 MEGOHMS MINIMUM BETWEEN THE PRIMARY AND THE SECONDARY TOGETHER ; 10 MEGOHMS MINIMUM BETWEEN A SECONDRY THER SECONDRY AND TOGETHER

耐濕性: 在環境溫度為 40 ℃ ± 2 ℃ 相對濕度為 90% ~ 95% 條件下放置 6 小時, 取出 10 分鐘后進行測試, 產品需滿足 4.7項耐壓要求, 絕緣電阻:初級對次級 , 在500VDC 條件下, 最小 10M歐姆.

6.0 RELIABILITY:THEVDESIGN AND CONSTRUCTION OF THIS PRODUCT EXHIBIT A MINIMUM MEAN TIME BETWEEN FAILURE OF 30000 HOURS FULL RATED LOAD OPERATION AT 25 ℃ .

可靠性 : 額定全負載 , 操作溫度 25 ℃ . 產品壽命在 30000 小時內 .

7.0 PROTECTION 保護 :

7.1 THE PRODCT INCLUDES CURRENT FUSE TYPE 250V 10A LOCATED WITHIN INPUT CIRCUIT.

電流保護 : 產品內置一個電流保險絲 , 類型為 250V 10A , 固定在輸入回路中 .

7.2 SHORT CIRCUIT: CAPABLE OF WITHSTANDING CONTINUOUS SHORT CIRCUIT AND RECOVER AUTOMATICALLY

短路保護: 具有耐持續短路和自動恢复能力.

8.0 INSPECTION 檢查 :

8.1 100% INSPECTION ITEMS : THE ITEMS OF 100% INSPECTION SHALL BE : NO-LOAD VOLTAGE ;LOAD VOLTAGE ; RIPPLE VOLTAGE; PRIMARY CURRENT ; DIELECTRIC WITHSTAND TEST; AND GENERAL APPEARANCE .

100%檢查項目 : 空載電壓 , 負載電壓 , 紋波電壓 , 初級電流 , 耐壓測試和普通外觀檢查.

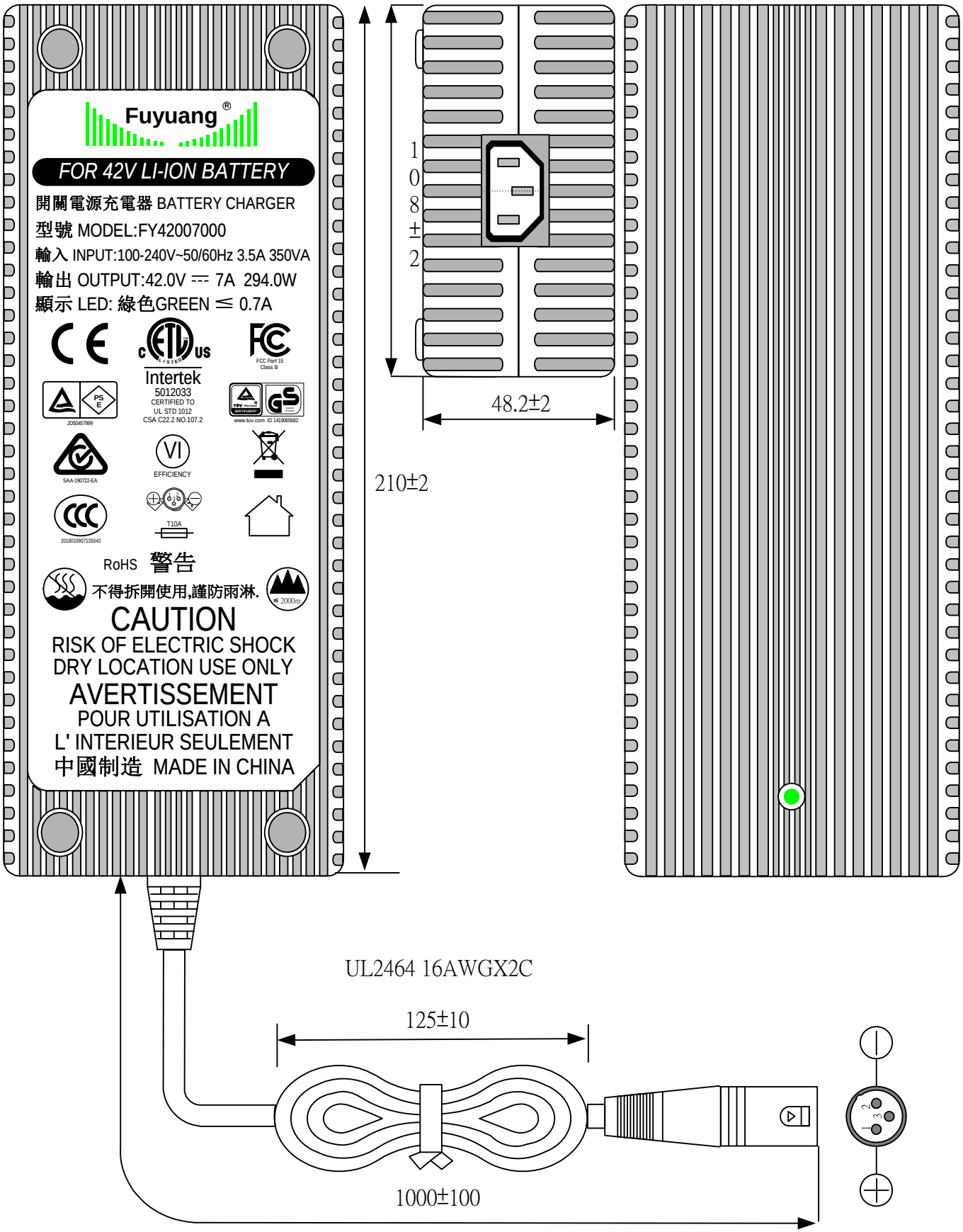
8.2 THE SAMPLING INSPECTION ITEMS :THE ITEMS OF SAMPLING INSPECTION SHALL IN ADDITION TO THE 100% INSPECTION ITEMS , INCLUDE : INSULATION RESISTANCE ; AND AUDIBLE SOUND CHECK .

抽樣檢查除100%檢查項目外 , 還包括絕緣電阻和听得見的聲音檢查 .

8.3 THE SAMPLING INSPECTION DATA ACCORDING TO 8.2 AND 100% DIELECTRIC WITHSTAND TEST DATA SHALL BE SUBMITED FOR EACH LOT .

遞交每批抽樣檢查報告和100%耐壓測試報告.

8.4 THE SAMPLING INSPECTION ITEMS LEVEL : MIL-STD-105D II AQL : CRI 0 ; MAJ 0.25 ; MIN 2.5

抽樣檢查項目水平 : MIL-STD-105D 致命缺點 0,主要缺點 0.25 , 次要缺點 2.5 .

MECHANICAL DIMENSIONS UNIT:MM