



Fuyuang®

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產 品 確 認 書

PRODUCT FOR APPROVAL

客 戶
CUSTOMER: 美 韻

發 行 日 期
ISSUE DATE: 2019-6-29

品 名
ARTICLE: SW ITCH ING POW ER SUPPLY

規 格
SIZE: AC 100-240V / DC 12.6V 2A

標 準
STANDARD: UL CUL GS BS CE SAA PSE 3C

標 準 編 號
DESCRIPTION: FY 1262000

客 戶 料 號
CUSTOMER NO:

本 廠 型 號
OUR MODEL NO: FY -20573-ADT

顏 色
COLOR: 黑 色 BLACK

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

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SPECIFICATION 規格

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

CONDUCTED OF EMI CISPR 22 CLASS OF INSULATION B

本規格追溯至安全 J60335 UL1012 EN60335 電磁兼容 CISPR 22 絕緣等級 B

2.0 MECHANICAL CHARACTERISTICS 機械特性:

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 , 或其它損壞現象 .

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 , 無異常 , 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 , 摺受沒有變形 , 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:

PLUG	CHARGING CHARACTERISTICS	RATING
		1. CHARGING VOLTAGE MAX. 最高充電電壓 :12.6±0.1VDC 2. CHARGING HOLD VOLTAGE 充電保持電壓 :12.6±0.1VDC 3. CHARGING VOLTAGE MIN. 最低充電電壓 :7.5VDC 4. CHARGING CURRENT 充電電流 :2A±0.2A 5. LOADING 負載:4.2VX3S LI-ION BATTERY 6. 綠色狀態發光二極管點亮, 充電電流小于0.2A.

4.2. INPUT CURRENT 輸入電流:

NO LOAD	AC 100V 50/60Hz	AC 230V 50/60Hz	AC 264V 50/60Hz
		50mA Max	
LOADING		600mA Max	

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

LOADING 35 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(II) 35 W 最大

4.4 EFFICIENCY 效率 : 88 % 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 10 MΩ MIN .

4.7 DIELECTRIC WITHSTAND TEST : 5mA 3000 VAC FOR 2 SECOND BETWEEN INPUT AND OUTPUT

INPUT AND CASE, AT AN ALTERNATIVE POTENTIALS 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 : ----- MIN.

5.0 ENVIRONMENTAL環境 :

5.1 OPERATING TEMPERATURE RANGE : THE OPERATING TEMPERATURE OF THE PRODUCT SHALL BY

FROM -29 ° TO + 45.5 ° .

工作環境溫度範圍 : -29 ° TO + 45.5 ° .

5.2 STORAGE TEMPERATURE RANGE : THE STORAGE TEMPERATURE OF THE PRODUCT SHALL BY

FROM -40 ° TO + 75 ° .

儲存環境溫度範圍 : -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

RESISTANCES 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 不少於 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 $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 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 $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 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°C .

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

7.0 PROTECTION 保護:

7.1 THE PRODCT INCLUDES CURRENT FUSE TYPE 250V 3A LOCATED WITHIN INPUT CIRCUIT.

電流保護:產品內置一個電流保險絲,類型為 250V 3A , 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復能力。

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 SUBMITTED 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 :M IL-STD-105D 致命缺點 0,主要缺點 0.25 ,次要缺點 2.5 .

MECHANICAL DIMENSIONS

UNIT:MM

