

MARKETING SPEC, PWR-BRICK,12V,50W-LVL V,2.1D

POWER BRICK KIT E005277

- E757851 PWR-BRICK,12V,50W,LVL V,2.1D,LITE-ON
- E217485 PWR-BRICK,12V,50W,LVL V,2.1D,DELTA

SCOPE

This document defines the spec for **Liteon PA-1051-0** and **Delta ADP-50YH BB** Power brick

GENERAL DESCRIPTION

- 50W External Power Brick
- Level V
- LPS
- RoHS compliant

GENERAL SPEC

3.1 Lite-On Power brick

- 3.1.1 Dimension 120mm (L) x 60mm (W) x 35mm (H) (without protrusion and cable)
- 3.1.2 Weight Approximately 400g
- 3.1.3 Input plug 3pin (IEC60320-1 C14)
- 3.1.4 Color Black
- 3.1.5 Output DC cable

- (1) Length Approximately 1.5m
- (2) Cord 16AWG
- (3) Plug Outer ϕ 5.5、Inner ϕ 2.1

3.2 Delta Power Brick

- 3.2.1 Dimension 120mm (L) x 52.5mm (W) x 32.5mm (H) (without protrusion and cable)
- 3.2.2 Weight Approximately 284g
- 3.2.3 Plug 3pin (IEC60320-1 C14)
- 3.2.4 Color Black
- 3.2.4 Output DC cable

- (1) Length Approximately 1.5m
- (2) Cord 17AWG
- (3) Plug Outer ϕ 5.5、Inner ϕ 2.1

ENVIRONMENTAL SPEC

- 4.1 Working temp 0~40°C
- 4.2 Working humid Lite-On: 20~80%RH (Under non-condensation)
Delta: 8~95%RH (Under non-condensation)
- 4.3 Storage temp Lite-On: -20~60°C
Delta: -20~95°C
- 4.4 Storage humid 10~90%RH (Under non-condensation)
5~95%RH (Under non-condensation)

INPUT SPEC

5.1 Voltage

- (1) Rating AC100-240V
- (2) Workable range AC90-264V

5.2 Frequency

- (1) Rating 50/60Hz
 - (2) Workable range 47-63Hz
- 5.3 AC input current Lite-On: Max.1.5A
Delta: Max.1.7A

OUTPUT SPEC(POWER BRICK)

- 6.1 Rating voltage DC12V
- 6.2 Output current Max. 4.16A
- 6.3 Ripple voltage Less than 300mVp-p (Under normal AC power input)

SAFETY SPEC

- 7.1 Leak current Lite-On: less than 0.25mA
Delta: less than 0.60mA
- 7.2 Withstanding voltage 3000VAC、 less than 10mA, 1sec
- 7.3 Insulation resistance DC500V、 larger than 20MΩ, 1sec
- 7.4 Others

- (1) OVP function
- (2) SCP function

REGULATION

8.1 Power brick

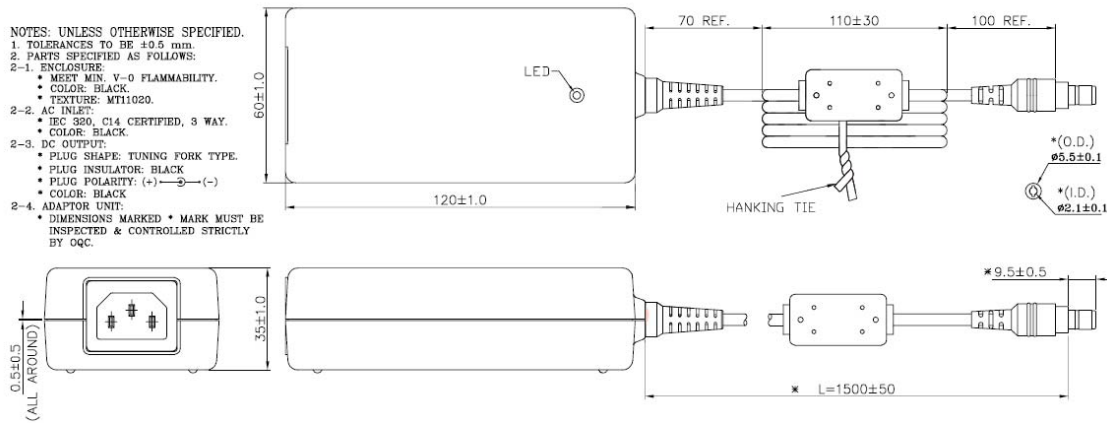
- (1) Safety : PSE, UL, c-UL, Argentina S-Mark, PSB, GOST, NOM, TUV-GS, KC, CCC, BSMI
- (2) EMI : VCCI-B, CE, FCC, C-Tick

RELIABILITY

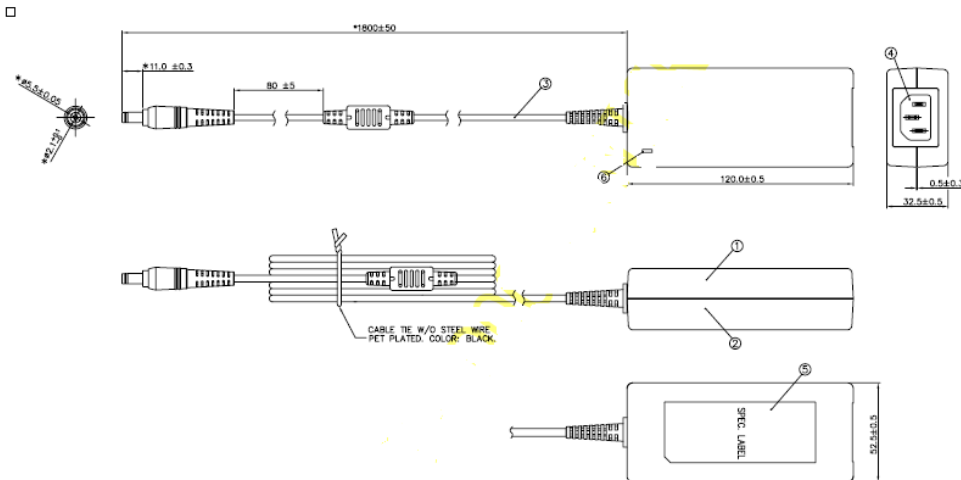
- 9.1 MTBF Lite-On: 100,000 hours (Under 25°C)
Delta: 100,000 hours (Under 25°C)

DRAWING

12.1 Lite-On Power brick



12.2 Delta Power Brick



ITEM	PART NAME	COLOR
①	COVER	BLACK
②	CHASSIS	BLACK
③	POWER CORD	BLACK
④	SOCKET	BLACK
⑤	LABEL	BLACK
⑥	LENS	CLEAR

- NOTES:
 1. THE COLOR OF PLUG'S INSULATOR:BLACK
 2. THE PLUG'S TYPE: TUNING FORK. (19# 3mm)
 3. THE PLUG'S POLARITY: \ominus - \oplus .
 4. MARKED * MARK MUST BE INSPECTED AND CONTROLLED STRICTLY BY QA.