



SL Power Electronics (Shanghai) Co., Ltd.

奥尔特（上海）电子有限公司

产品规格承认书

Specification for Approval

客户名称(Customer) : STANDARD MODEL

产品名称(Product): Power supply

产品型号(P/N): PEDC1040X5600J01

产品描述(Description): 40W POE

规格书版本(Version): 1.1

制 定 (工程师) Prepared by (Engineer)	审 核 (项目经理) Checked by (Project Manager)	核 准 (开发部经理) Approved by (R&D Manager)	确 认 (品质部) Confirmation (Quality Dept.)	客 户 确 认 Customer Assurance

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Revision修订履历			
VER版本	DATE日期	DESCRIPTION描述	Author作者
1.0	09年10月22日	First release	XYHE
1.1	09年11月5日	Updated output rate	xyhe



- 10/100/1000(MbPS) Data Rate
- Self-contained Injector
- 20-60VDC Input
- Desktop Style/Non-vented Case
- IEEE802.3af Non-Compliant
- Power ON LED
- UNH IOL Test Report
- Over Load Shutdown and Short Circuit Protection
- Regulated Output With Low Ripple
- Complies With MEI/RFI Regulations
- CE compliant

Notes:

1. X1: "A"-10/100/1000Base-T, Non-Compliant,
 "B"-10/100/1000Base-T, Compliant detection, disconnect and voltage control IEEE802.3af,
 "C"-10/100Base-T, Non-Compliant,
 "D"-10/100Base-T, Compliant detection, disconnect and voltage control IEEE802.3af.

Model	Output Voltage	Max Output Current	Total Regulation(Excluding Cord)	Max Watts	Ripple or Noise Pk-Pk(max)
PEDC1040X5600J01	56V	0.42A	54-57	40W	1%

OUTPUT SPECIFICATIONS

Hold up time: 40Vdc 5mS

Total regulation (Line and load) Excluding Cord +/- 1%

Ripple & noise: 1% p-p max with 20MHz BW
Transient response: 0.5 msec. for 50% load change typical

INPUT SPECIFICATIONS

Input voltage: 20-60 VDC
Input current: 3A max.
Protection Internal Primary Current Fuse
Inrush Limiting

GENERAL SPECIFICATIONS

Efficiency: 80% (type)
Spacing 5mm Primary-Secondary
Dielectric Withstand: Primary-Secondary 2000Vac
Leakage Current class 2 Lessthan250uA
Approvals and Standards Safety :
MTBF 100,000 Calculated Hours

EMC SPECIFICATIONS

Emissions /CE
EN55022 Class B

ESD EN61000-4-2 CD Level 2
AD Level 3
Criterion B

RF EMI EN61000-4-3 Level 2 Criterion A
EFT EN61000-4-4 Level 2 Criterion A

PROTECTION SPECIFICATIONS

Over current protection: Foldback
Short circuit protection: Hiccup mode.
Over voltage protection: Built-in, latch off

MECHANICAL SPECIFICATIONS

Dimensions: L5.24*W2.13*H1.42
Please see Figure 1
Weight: TBD
Case Material 94V0

Polycarbonate

Cord and Connectors Dual RJ45 jacks built into the enclosure

ENVIRONMENT SPECIFICATIONS

Operating temp.: No Derating 0-40C
Storage temp.: -20-+85C
Relative humidity: 5%-95%
Altitude: 0 to 10,000 ft.

Personalized PoE

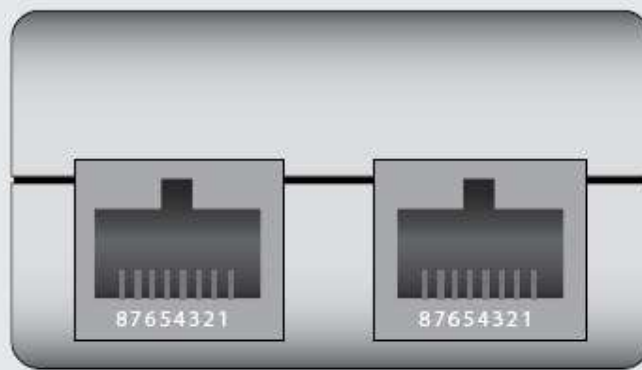
Option (additional costs may apply):
Custom label artwork
Custom agency approvals available
Surge protection(Input&Output)
Mounting bracket
Custom PoE modification

Input Configuration



Screw terminals

Pin Connections



J2
(Power and Data Out)

J1
(Data In)

(Rear of Unit)

PoE Gigabit Pin-out Connections:

Data	↔ POWER (+) ↔	Pins 4/5 (Data + PWR)
Data	↔ ↔	Pins 1/2 (Data Only)
Data	↔ ↔	Pins 3/6 (Data Only)
Data	↔ POWER (-) ↔	Pins 7/8 (Data + PWR)

Note: ↔ = Transformer

LED Functions:

Amber	Power	On
Green	Power	Active
Blink	Load	Error