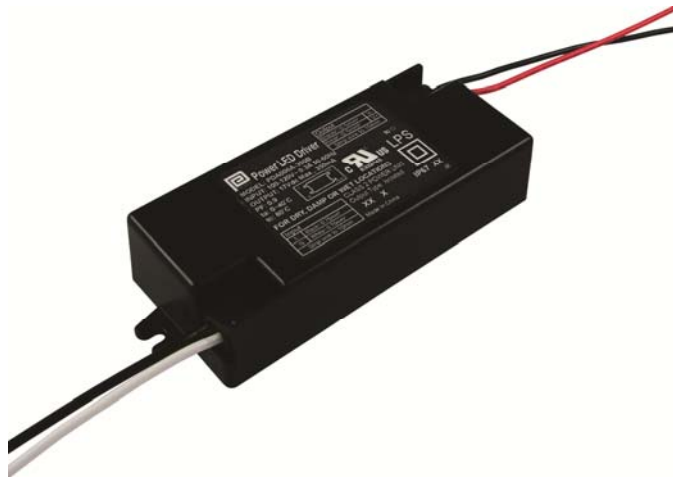




**6W Constant Current LED Driver
PDA006B Waterproof LED Power Supply**



Features

- Low Profile Design
- OVP, OCP, Over-Load and Short-Circuit Protection
- Power Factor Correction
- Brownout/Brownout Recovery
- Class 2 Output
- IP67 Rating - waterproof
- SELV Compliant
- UL 8750 Compliant
- Very Low Leakage
- Constant Current
- RoHS Compliant

Applications

- Outdoor Lighting
- Indoor Lighting

Safety Approvals (PENDING)

- cUL/UL

Mechanical Characteristics

- Length: 105.8mm (4.17in)
- Width: 39.8mm (1.57in)
- Height: 20.8mm (0.82in)
- Weight: 101g (3.56oz)

Output Specifications

Model	DC Output Voltage			Output Current	Output Power
	Min.	Typ.	Max.		
PDA006A-350B-R	9V	-	17V	350mA	6W
PDA006A-700B-R	5V	-	8.6V	700mA	6W
PDA006A-1A0B-R	4V	-	6V	1000mA	6W

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INPUT:

AC Input Voltage
90 to 132VAC

Nominal AC Input Voltage
110 to 120VAC

Leakage Current
<0.25mA at 120VAC and maximum load

Maximum Input Current
≤250mA at full load, 120VAC

No Load Power Draw
≤300mW at 115VAC, 60Hz

OUTPUT:

Total Output Power
6W maximum

Efficiency
≥73% at nominal input voltage, 350-700mA out
≥69% at nominal input voltage, 1000mA out

Power Factor
≥0.9 at nominal input voltage, full load

ENVIRONMENTAL:

Operating Temperature 0 to +40°C
Storage Temperature -40 to +85°C

Operating Humidity 10 to 95%

Warranty
3 Years

Lifespan
20K Hours minimum at max load and ambient 50°C

EMC

FCC Part 15 Class B

Immunity

EN61000-4-2
EN61000-4-5
EN61000-3-2 Class C
EN61000-3-3

Isolation Test

Primary to Secondary: 3000VAC, <10mA, 1 minute

Insulation Resistance

Primary to Secondary: 500VDC, >5M ohm, 1 minute

FEATURES:

Input Over-Current Protection

The input power line will be fused with a 1W/100ohm fuse resistor

Short Circuit Protection

Auto restart without damage

Output Over-Voltage Protection

Output should not exceed voltage limits, auto shut down

Input / Output Connection

Flying leads

Position	Terminal Color	Wire Gauge
Line	Black	AWG 18
Neutral	White	AWG 18
Vout+	Red	AWG 22
Vout-	Black	AWG 22

Ingression Protection

IP67; plastic housing

Mounting Provision

Screw mounting, accessible without opening unit

Dimension Diagram unit:mm

