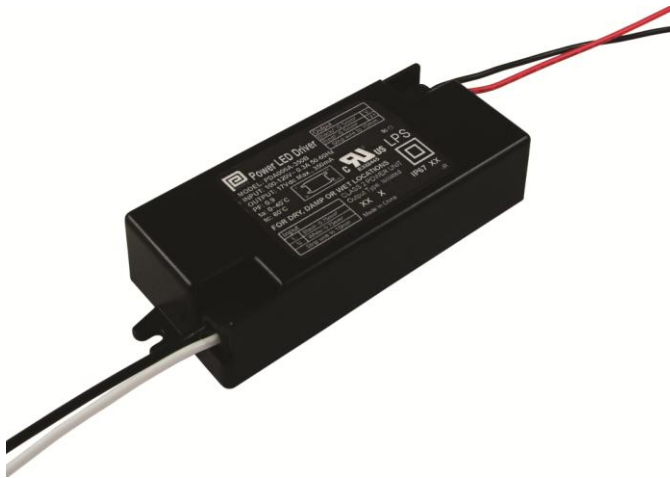




## 6W Constant Current LED Driver PDA006A Waterproof LED Power Supply



### Features

- Low Profile Design
- OVP, OCP, Over-Load and Short-Circuit Protection
- Class 2 Output per UL1310
- UL 8750 Compliant
- IP67 Rated
- Brownout Protection
- $\geq 0.9$  Power Factor Correction
- Very Low Leakage
- SELV Compliant
- RoHS Compliant

### Applications

- Outdoor Lighting
- Indoor Lighting

### Safety Approvals

- 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

**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

**Dimension Diagram unit:mm**

