



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
- ≥ 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

PhiHong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information.

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 $\leq 250\text{mA}$ at full load, 120VAC**No Load Power Draw** $\leq 300\text{mW}$ at 115VAC, 60Hz**OUTPUT:****Total Output Power**

6W maximum

Efficiency $\geq 73\%$ at nominal input voltage, 350-700mA out $\geq 69\%$ 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/10Ohm 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