

FP280 Series

Streetlight Power Owl

The 280 Series Streetlight Power Source converts streetlight AC power to several standard DC power levels, including PoE. The 280 Power Owl easily installs between the photocontrol and the streetlight receptacle providing constant AC and or DC voltages to pole mounted devices, such as WiFi/WiMax radios, cameras, sensors.

Feature/Benefits

- Eliminates special wiring
- No electrician required
- Simple “plug-in” installation
- Does not interfere with normal photocontrol operation

Input Power Options

- 120/208/240, 480 Vac

Output Power Options

- PoE Power IEEE 802.3af
- DC Voltages 5, 12, 15, 24, 48

What better place to mount wireless devices than 30 feet in the air and could there be a more convenient place to pick up power. The 280 Series power source simply plugs into the top of the streetlight and converts Vac voltage to standard Vdc levels.

Specifications

IEEE Standard:	Conforms to ANSI C136.10 for Street and Area Lighting
Housing:	UV stabilized impact resistant polypropylene, color grey
AC Power Cable Type:	S00W 16/2 AWG/Black- Line Volts, White-Neutral
DC Power Cable:	Cat 5e, + Vdc Pins 4&5, - Vdc Pins 7&8
PoE Cable:	Cat 5e, + Vdc Pins 4&5, - Vdc Pins 7&8
Temperature Range:	-40 to + 70 C

Ordering Information

Base OWL Model

FP287A PoE Owl
 FP288A AC to DC Owl 50/60Hz, 25watts
 FP288B Meraki Radio Owl 50/60Hz, 15watts
 FP289A Stepdown Owl

Cable(s) Length

XXX Inches Standard (all supplied cables the same length)
 N None



Available with ANSI C136.41 pass-thru

Code AC Power Input

- A 105-130 Vac
- B 100-265 Vac (Use with DC outputs)
- C 198-264 Vac (Use with option “B” in AC output)
- D 420-530 Vac (Use with option “C” in AC output)
- E 249-305 Vac (Use with option “D” in AC output)
- F 208 Vac (Use with option “G” in AC output)
- G 347 Vac (Use with option “M” in AC output)

DC Power Outputs/Cable Connector Type

- A 12 Volt, 25Watt, Cat 5e cable with RJ45 connector
- B 24 Vdc, 25Watt, Cat 5e cable with RJ45 connector
- C 48 Vdc, 20 Watts (PoE 802.3af), Cat 5e cable with RJ45 connector
- C1 Option C with Data input Cat 5 cable
- D 48 Vdc, 1.1 Amps, 25 Watts Cat 5e cable with RJ4 Connector
- D1 Option D with Data crossover Cat 5e cable
- E 5Vdc, 15Watt, No Cable (sold separately) *
- F 15Vdc, 15Watt, No Cable (sold separately) *
- G 24Vdc 15Watt, No Cable (sold separately) *
- H 15Vdc 25 Watt, Cat 5e cable with RJ45 connector
- I 12Vdc 15 Watt, No Cable (sold separately) *
- N None

* 7ft Outdoor Rated Cat 5e cable (Part Number CBL07)

AC Power Output – 50 Watts

- A 105-130 Vac
- B Stepdown 240 to 120Vac
- C Stepdown 480 to 120Vac
- D Stepdown 277 to 120Vac
- E Stepdown 120 or 240Vac to 24Vac
- F Stepdown 277 to 24Vac
- G Stepdown 208 to 120Vac
- N None
- M Stepdown 347 to 120Vac
- A Includes 7-pin ANSI C136.41 receptacle

Other configurations and radio connectors are available – consult factory.