

INOVUS SMARTPOLE™ TECHNICAL SPECIFICATIONS

Inovus SmartPole™ PV25175

Comparable to: 175W or MH bulb after burn-in.

Approximate Power Consumption: 50W in normal mode and 13W in energy savings mode

Smart Pole™ PV25175

Light output	Comparable to: 175W or MH bulb after burn-in
LEDs	8 x 4LED modules. Total 32 LEDs
Power Consumption	≈ 50W - Normal mode ≈ 13W - Energy savings mode
IES Lighting Type	IES Type I – V, Custom (2)
System Autonomy	4 to 9+ cloudy days(3)
Batteries	6 x (12V,26Ah) batteries in parallel
Energy Savings Mode	Yes: Automatic. Based on motion sensing to 30' and photo sensing
Warranty	2 year warranty

Pole:

Total Dimension	25' H x dual diameter
Base Dimensions	5'H x 10" diameter
Body Dimensions	20' H x 6" diameter
Material	Aluminum or Powder coated Steel
Features	Self cooling design (convection). Anti-intrusion features for weather, pests. Secure service access panel.

Solar Collector

Dimensions	18' H x 15.5" W
Orientation	Sun-facing, wrapped 225° around pole body.
Loading	No additional loading.
Operating Voltage	≈28V – 33+V. Pmax ≈ 136W
Features	Shade tolerant, damage tolerant, contamination tolerant.
Life	20+ years

Visia™ LED Luminaire

Voltage	12V
LEDs	8 x 4LED modules. Total 32 LEDs
Light output	Comparable to: 175W HPS or MH bulb after burn-in.
Power Consumption	≈ 50W - Normal mode ≈ 13W - Energy savings mode
IES Lighting Type	IES Type I – V, Custom (2)
Life	60,000 hours
Features	Polycarbonate lens. Modular mounting for superior heat dissipation.

Battery Charging Controller

Charging Technology	Maximum Power Point Transfer
Peak Efficiency	97%
Self Consumption	≈35 mA
Data Logging	Yes. 30 days
Electronic Protection	Yes. Multiple.

Batteries

Voltage	12V
Capacity	26 Ah
Dimensions	6.56” x 6.97” x 4.92”
Material	Sealed Lead Acid in Absorbent Glass Mat (SLA - AGM)
Features	Leak-proof Absorbent Glass Mat. Contained in insulated polypropylene enclosures. Approved for air shipment by DOT and IATA.

[Inovus SmartPole™ PV25100](#)

Comparable to: 100W HPS or MH bulb after burn-in.

Approximate Power Consumption: 38W in normal mode and 9W in energy savings mode

Smart Pole™ PV25100

Light output	Comparable to: 100W or MH bulb after burn-in
LEDs	6 x 4LED modules. Total 24 LEDs
Power Consumption	≈ 38W - Normal mode ≈ 9W - Energy savings mode
IES Lighting Type	IES Type I – V, Custom (2)
System Autonomy	4 to 9+ cloudy days (3)
Batteries	6 x (12V,26Ah) batteries in parallel
Energy Savings Mode	Yes: Automatic. Based on motion sensing
Warranty	2 year warranty

Pole:

Total Dimension	25’ H x dual diameter
Base Dimensions	5’H x 10” diameter
Body Dimensions	20’ H x 6” diameter
Material	Aluminum or Powder coated Steel
Features	Self cooling design (convection). Anti-intrusion features for weather, pests. Secure service access panel.

Solar Collector

Dimensions	18’ H x 15.5” W
Orientation	Sun-facing, wrapped 225° around pole body.
Loading	No additional loading.

Operating Voltage	≈28V – 33+V. Pmax ≈ 136W
Features	Shade tolerant, damage tolerant, contamination tolerant.
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Visia™ LED Luminaire

Voltage	12V
LEDs	6 x 4LED modules. Total 24 LEDs
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Life	60,000 hours
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Battery Charging Controller

Charging Technology	Maximum Power Point Transfer
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