

Tilted Mount (TPM Series)

TPM system features a top of pole mount with an adjustable tilted power module.

Sol provides trouble-free lighting wherever it's needed including parking lots, paths, parks, perimeter security, fences, gates, remote areas, streets, private roads, driveways, docks, ramps, wildlife areas, jogging and bike paths.

FEATURES

- The TPM series features a totally integrated top of pole mounted solar power module which is mounted separately from the luminaire. This allows for the solar panel(s) to be mounted at the optimum angle to capture the sun's energy for a particular geographic location.
- Sol's intelligent lighting systems will measure battery levels at the start of every night to optimize LED performance. In periods of extended bad weather, the light dims to limit low voltage disconnect.
- Entire structural assembly is specifically engineered for rugged environment.
- Sturdy corrosive resistant aluminum and stainless steel hardware throughout.
- Maintenance free gel cell batteries.
- A typical minimum battery back-up of 5 days in case of inclement weather using Sol's intelligent lighting system.
- Standard model includes a Cobrahead fixture.
- Rugged, vented aluminum energy storage array holds battery(s), controller and all interconnects.
- System mounts on standard pole with tenon – square, round, fiberglass, steel, aluminum or concrete.
- Super efficient, bright, white light 5,100 K, LED light source.
- The most efficient and aesthetically pleasing white light source in this wattage range.
- Excellent color rendering optimizes human
 - visual acuity and contrast, offering best in class night-time vision.
- “Instant-on” – no warm up or cold start issues.
- Unlike conventional lights, no risk of hazardous disposal – CF, CCFL, LPS and HPS contain mercury.
- Dark Sky compliant lights available - low light pollution outside of light distribution field.
- Sol's Patent Pending LED directed light provides a concentrated, uniform light pattern where it is needed.
- LED provides 100,000 hours of brilliant illumination.
- 5 year system warranty.
- Limited 25 year warranty on solar panels.



Sol[®] 
Reliable. Renewable. Remarkable.

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SPECIFICATIONS

Panel Size	Dimensions (inches) Length x Width	Panel Power (Output Amps)	EPA @ 45 degrees (Effective Projected Area) Power Unit & Battery Box* (add fixture & arm below)	System Weight	Suggested Pole Tenon Size
80 watts	46.75 x 20.80	4.55 amp @ 12V	6.94 sq. ft.	Approx. 140 lb.	2.875" O.D.
130 watts	59.02 x 26.06	7.16 amp @ 12V	9.90 sq. ft.	Approx. 155 lb.	3" O.D.
160 watts (2x80)	46.75 x 41.60	9.10 amp @ 12V	11.72 sq. ft.	Approx. 210 lb.	2.875" O.D.
260 watts (2x130)	59.02 x 52.12	14.32 amp @ 12V	19.29 sq. ft.	Approx. 250 lb.	3.5" O.D.
320 watts (4x80)	46.75 x 83.20	18.20 amp @ 12V	22.93 sq. ft.	Approx. 450 lb.	3" O.D.
390 watts (3x130)	59.02 x 78.18	21.48 amp @ 12V	27.02 sq. ft.	Approx. 440 lb.	3.5" O.D.

Solar panel configurations may vary slightly by manufacturer

Fixtures & Arms	EPA *	Weight
Cobrahead with 6' Arm	3.15 sq. ft.	Approx. 40 lb.
Shoebox with 6' Arm	2.72 sq. ft.	Approx. 40 lb.
Shoebox with 2' Stub Arm	1.37 sq. ft.	Approx. 30 lb.

System weight may vary upon number of fixtures and batteries.



rev. 1108 MRKT-TPM-001