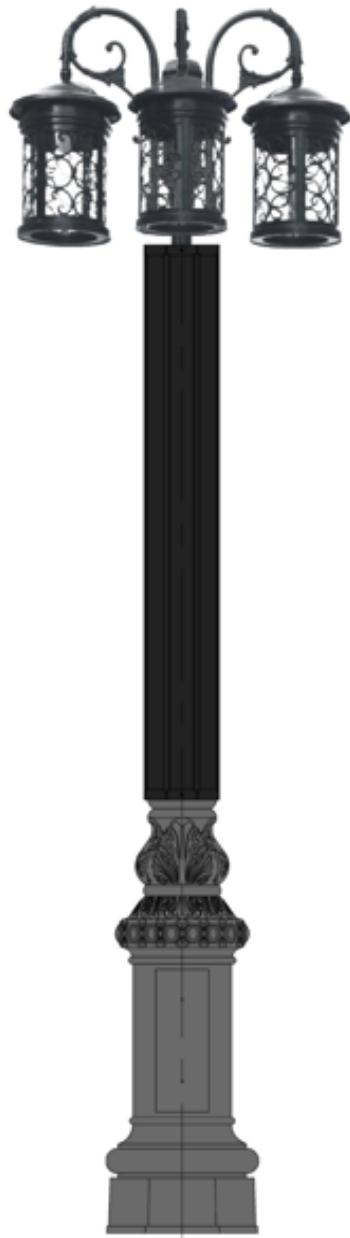


Vertical Solar Decorative Lighting Poles

150W Solar Power

100W LED Chips Max. Power

Effective Power at 3m pole height is 20%.



The innovative and eco-friendly vertical solar stube garden light!

With its advanced technology and sleek design, this lighting solution is a game-changer for your outdoor space. The vertical solar panels mounted on the pole ensure optimal energy optimization, while also preventing dust, snow, and bird droppings from accumulating. This means less maintenance and more efficiency! Powered by the sun, these lights automatically turn on at dusk and off at dawn, providing a warm white glow throughout the night.

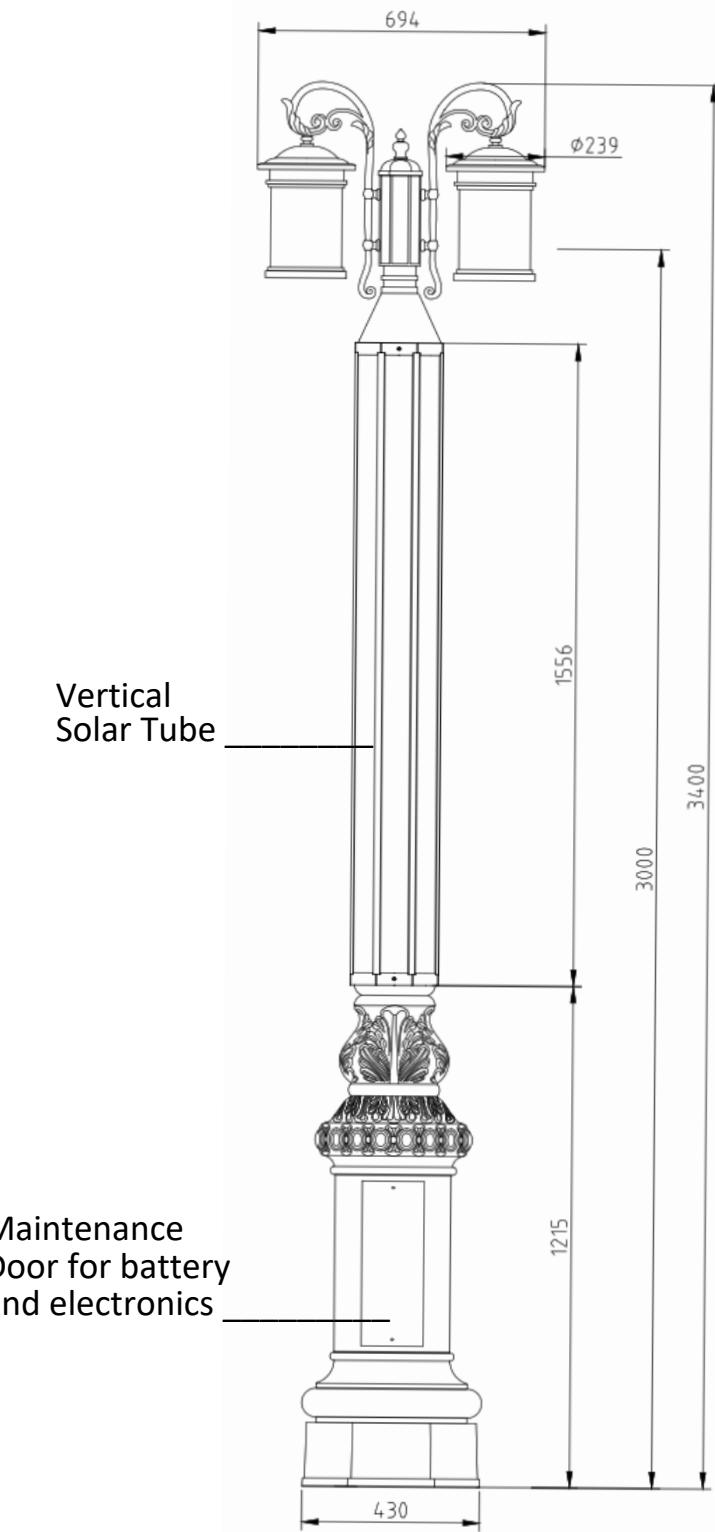
- 100% off-grid standalone solution.
- 360° vertical solar energy harvesting.
- Aesthetic appeal is ideal for the compact urban designs.
- Built-in 2-day power backup (for winter/low sunlight conditions).
- Easy installation, no trenching, cabling, not even utility grid.
- No need for manholes, the battery and electronics are hidden inside the pole's lower compartment.



SPECIFICATION SHEET

Item No.	Item Details	
1	Steel structure	
1.1	Pole size	Height: 3m, inner pole 76mm
1.2	Pole material	Q235 inner pole, Aluminum base
1.3	Finish Options	Powder Coating for Light Fixture
1.4	Flange size	300*300*10MM
1.5	Color	grey/black/gold
2	Solar tube	
2.1	Peak Power	150W
2.2	PV Cells	Mono Crystalline
2.3	Efficiency	22.5%
2.4	Frame Material	Aluminum
2.5	Module Dimension	230*213*H1556mm
2.6	Condition indicator	Yes
2.7	Operating temperature	-25°C-65°C
3	LED garden lamp	
3.1	LED Chip	SMD 3030 or 2835
3.2	Power	5-8W * 3nos
3.3	Color Temp	3000-6000K
3.4	Beam angle	120
3.5	Material	Die-cast aluminum
3.6	Dimensions	D240*H300mm
4	PV charge controller	
4.1	Controller type	MPPT
4.2	Charging voltage	12V
4.3	Charging current	10A
4.4	Efficiency	97%
4.5	Ingress protection	IP67
5	Battery	
5.1	Battery type	LiFePO4 battery
5.2	Energy storage	12.8V 48Ah
5.3	Installation	Inside the pole
5.4	Ingress protection	IP65

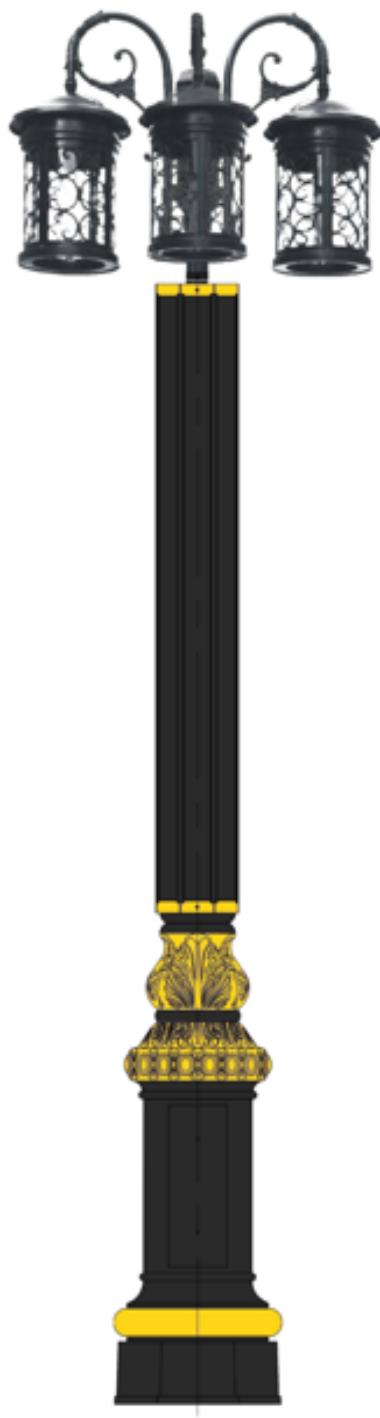
DIMENSIONS





COLOR OPTION-1

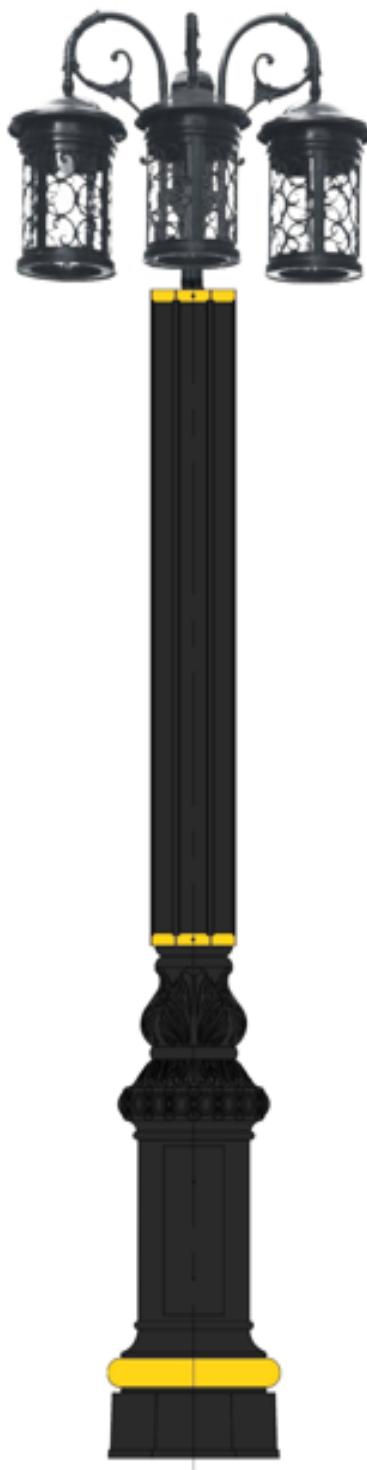
Black-Gold.





COLOR OPTION-2

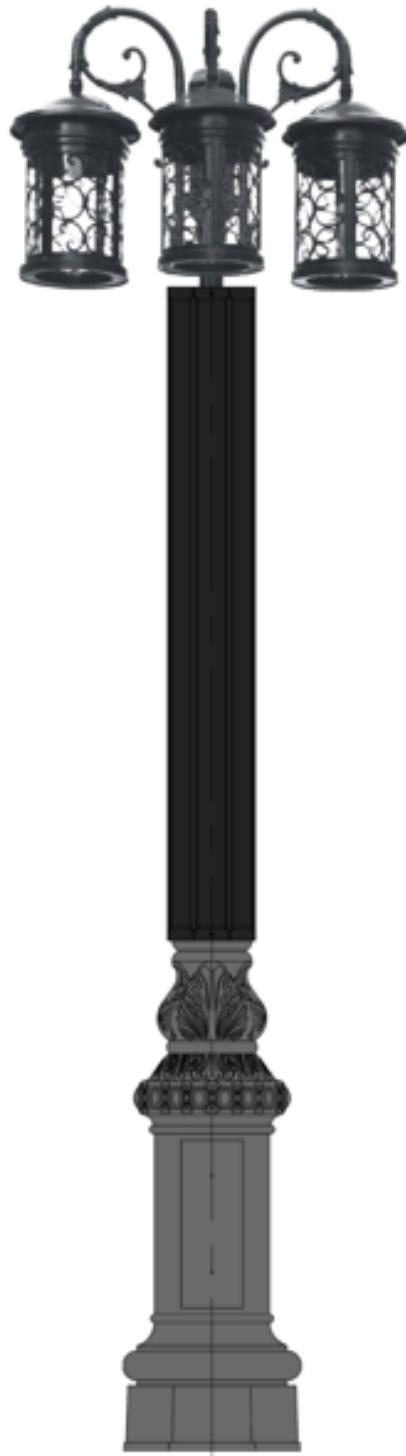
Black- Little Gold.





COLOR OPTION-3

Black-Gray.



DIALUX REPORTS

Scenario 1: spare among poles is 5m.

Scenario 2: spare among poles is 10m.

Scenario 3: spare among poles is 20m.

