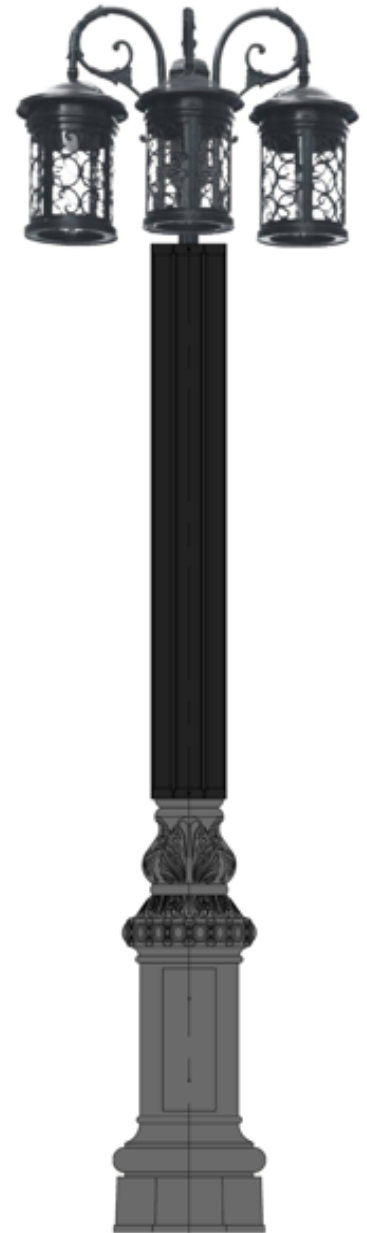


## *Vertical Solar Decorative Lighting Poles*

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.

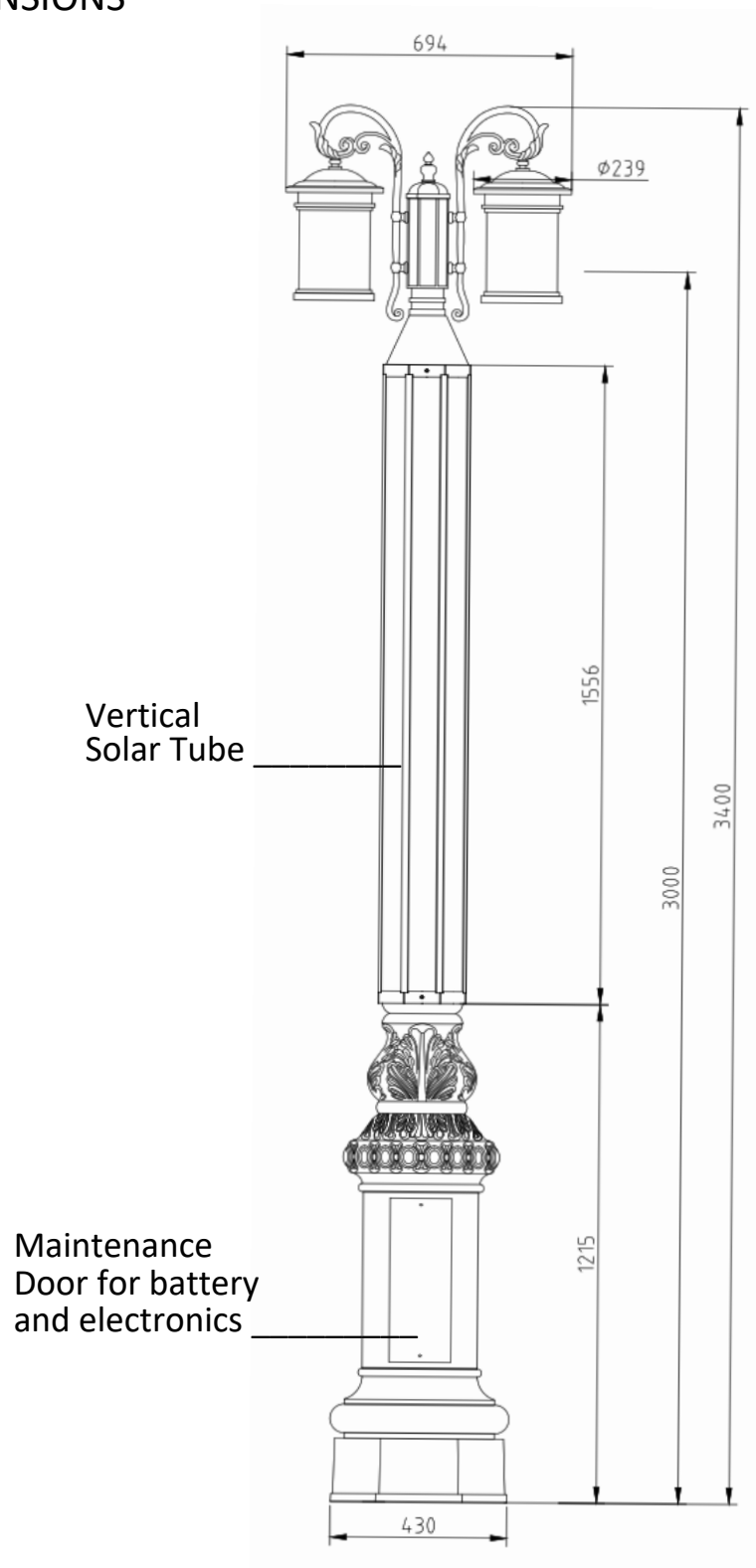
- 100% off-grid standalone solution.
- 360° vertical solar energy harvesting.
- Aesthetic appeal is ideal for the compact urban designs.
- Built-in 2-day power backup (for winter/low sunlight conditions).
- Easy installation, no trenching, cabling, not even utility grid.
- No need for manholes, the battery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



## SPECIFICATION SHEET

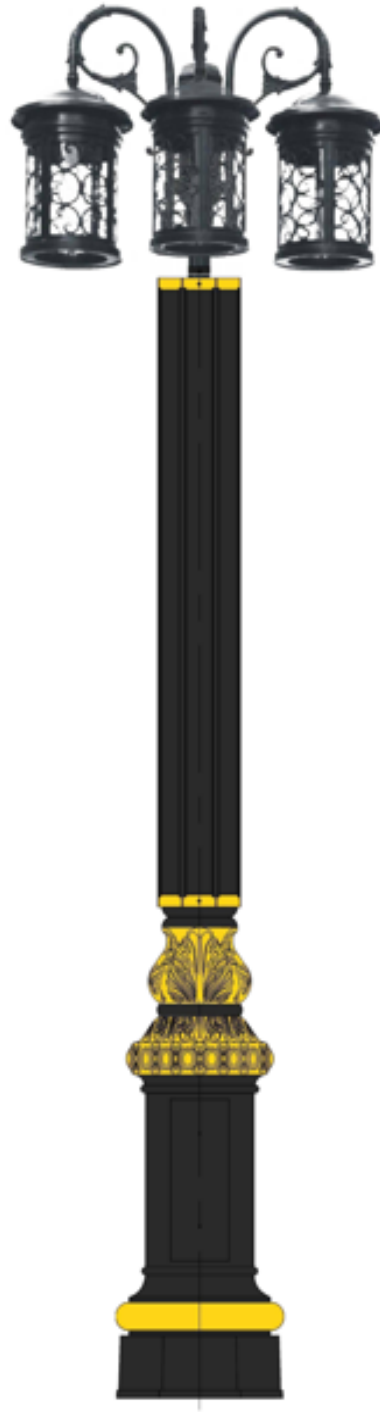
Item No.	Item Details	
<b>1</b>	<b>Steel structure</b>	
1.1	<b>Pole size</b>	Height: 3m, inner pole 76mm
1.2	<b>Pole material</b>	Q235 inner pole, Aluminum base
1.3	<b>Finish Options</b>	Powder Coating for Light Fixture
1.4	<b>Flange size</b>	300*300*10MM
1.5	<b>Color</b>	grey/black/gold
<b>2</b>	<b>Solar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

## DIMENSIONS



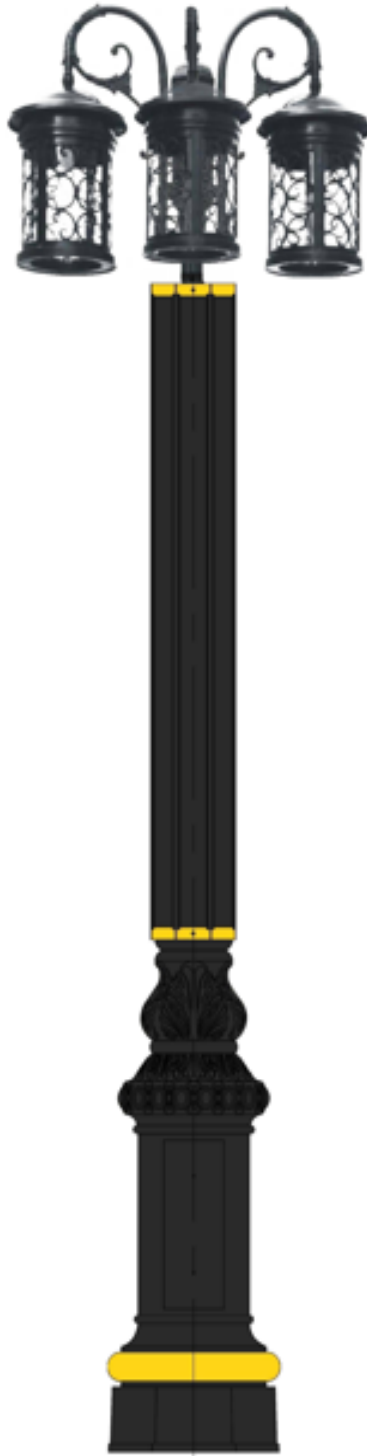
COLOR OPTION-1

Black-Gold.



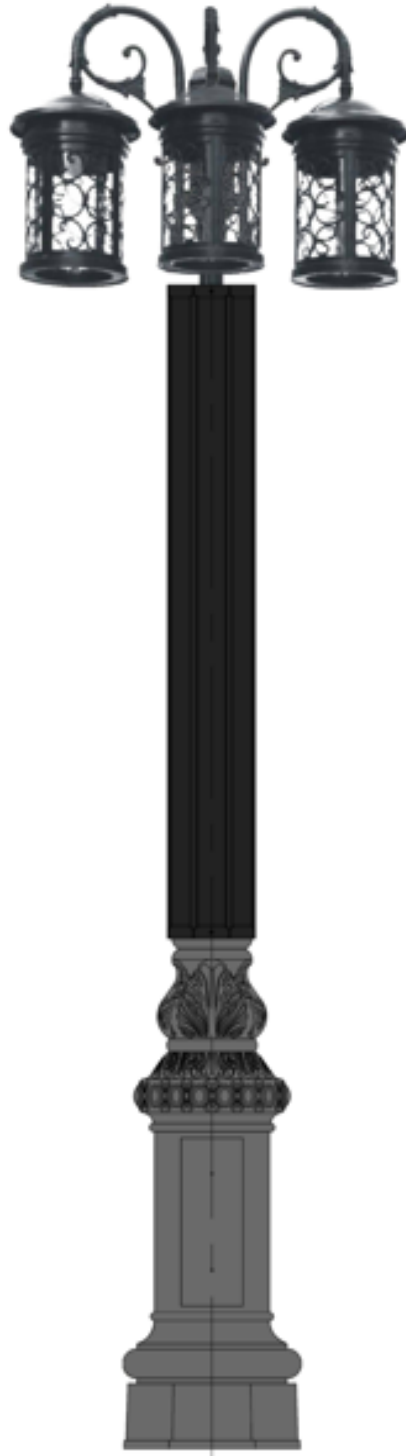
COLOR OPTION-2

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.

