

# Solar Light

European Brand & European Quality Standard



from 30w to 400w

- *Environment Friendly*
- *0 Electricity Bill*
- *Easy Instalation*



# Specifications



Model	Garden Light	Courtyard light	Road light	Square light	Warm light 30w	Warm light 60w
Lumen	300 Lumen	600 Lumen	1200 Lumen	2300 Lumen	2*300 Lumen	2*600 Lumen
Equivalent To Market	150W	200W	300W	400W	100W×2	150W ×2
Solar Panel	8W	16W	25W	50W	16W	25W
Battery Capacity	1*6000mAH (LiFePO4)	2*6000mAH (LiFePO4)	4*6000mAH (LiFePO4)	6*6000mAH (LiFePO4)	2*5000mAH (LiFePO4)	2*1000mAH (LiFePO4)
Lamp Size	179*145*48.8mm	224.8*164.8*59.8mm	274.8*209.8*79.8mm	307.9*239*80.7mm	(195*163*63mm)×2	(195*163*63mm)×2
Panel Size	310*185*25mm	310*340*25mm	500*395*365mm	(440*340*25mm)×2	310*340*25mm	500*395*365mm
G.W.	2.275kg	3.3625 kg	4.96 kg	7.95 kg	3.35 kg	4 kg
Package	10sets/CTN	8sets/CTN	5sets/CTN	4sets/CTN	5sets/CTN	7sets/CTN
IP Class	IP66					
Charging Time	4-5H					
Working Time	10-20H					
Color Temperature	(CW)-(6000- 6500K)					



# IP - 66

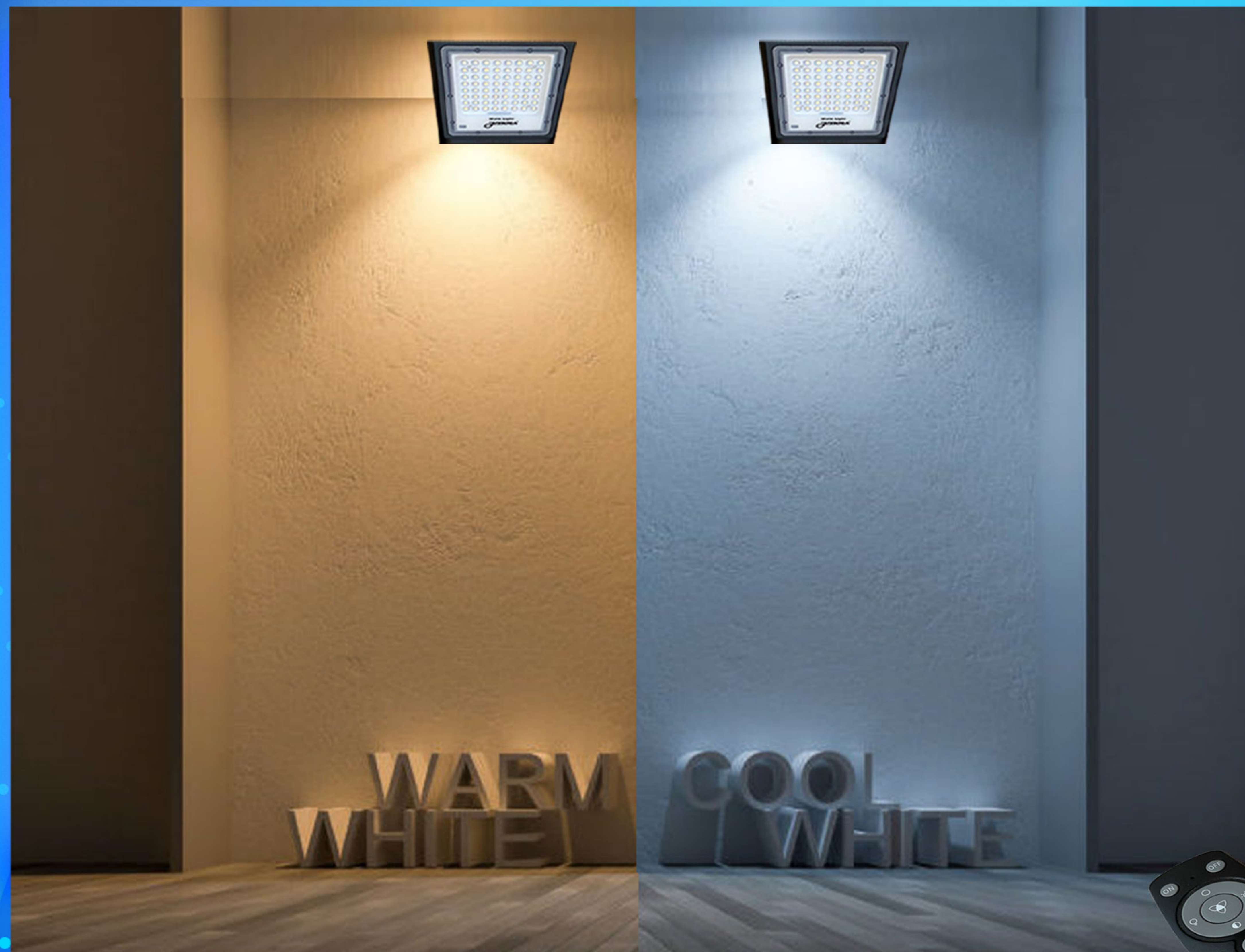


Exclusive outlook design  
With 15 years water proof ability



# Solar light<sup>+</sup>

Warm & Cold



Two color -- Warm & Cold

30w

60w<sup>+</sup>



+



# Applications

+

30w

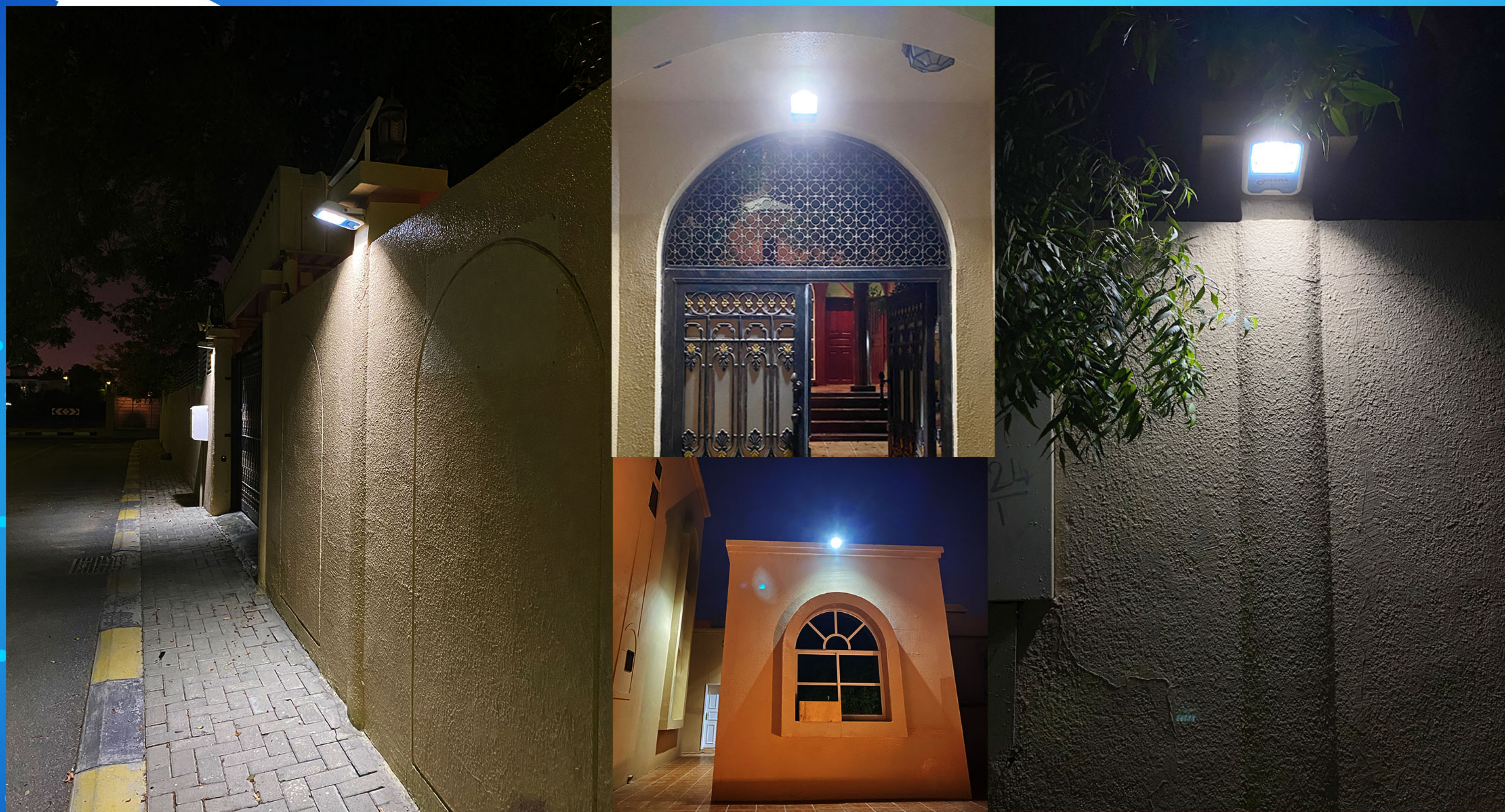


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# Applications





# 3KWh

## PV Energy Storage System



Low charge and discharge losses



Small self-discharge



Competitive price



Environmental



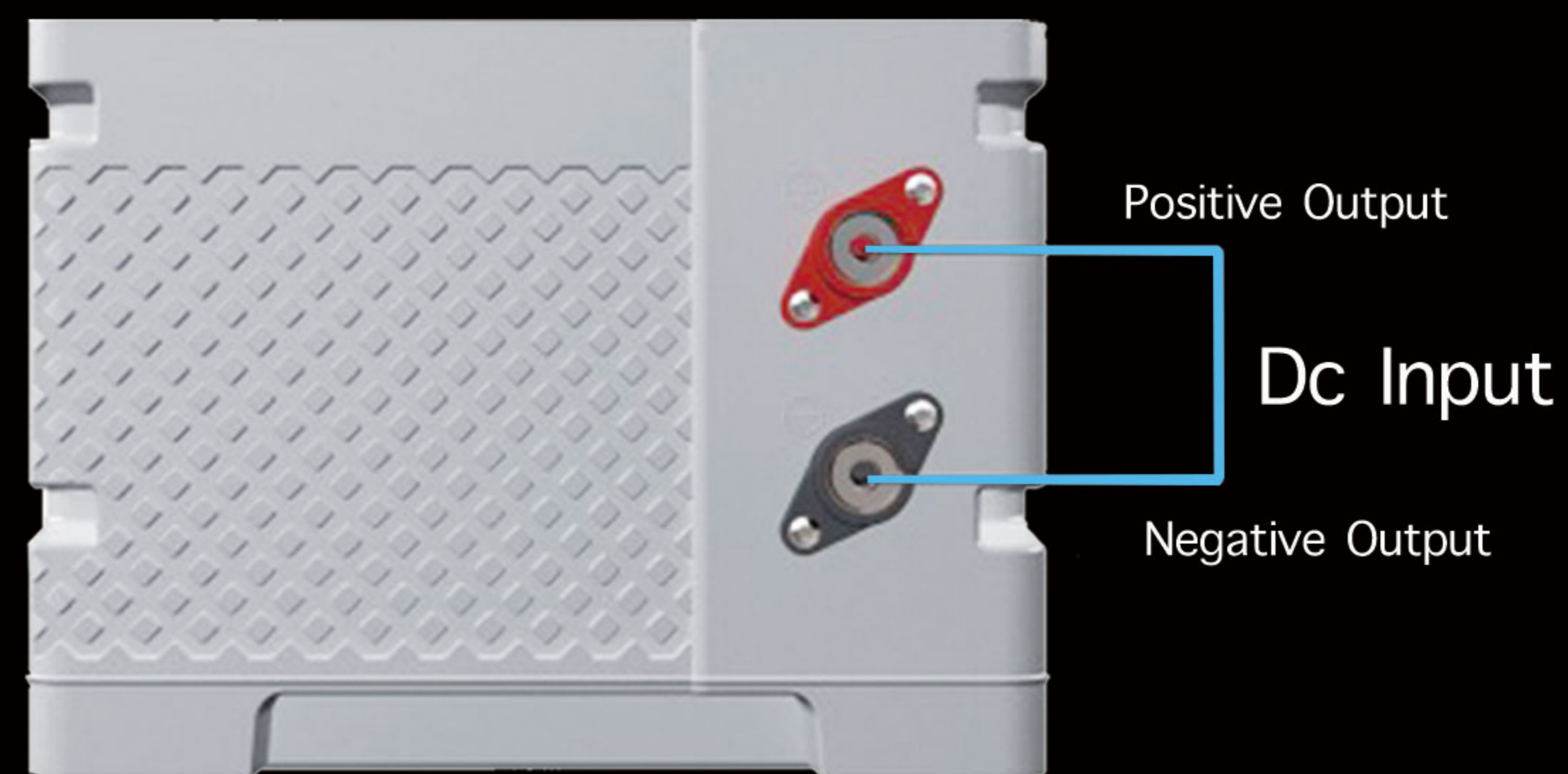
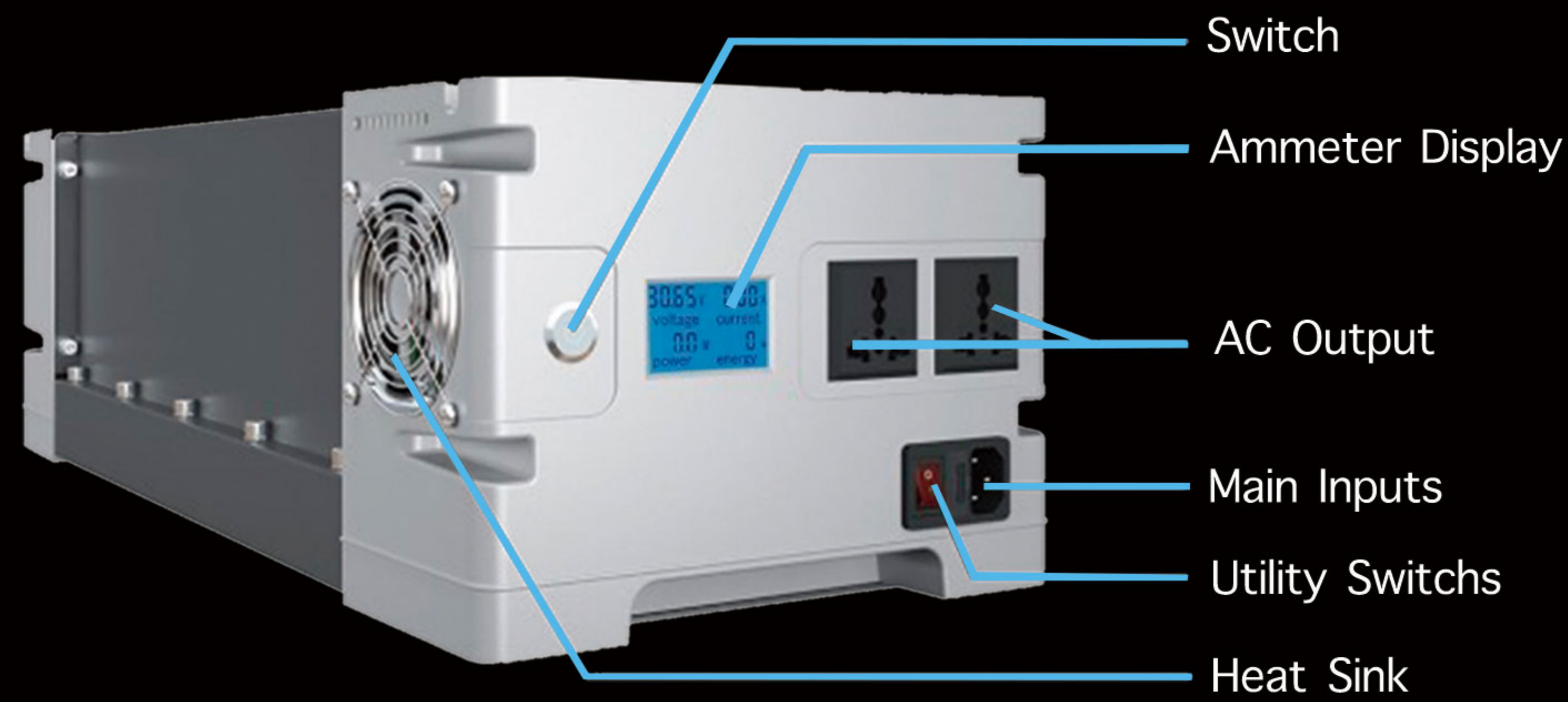
Long life span



High energy density

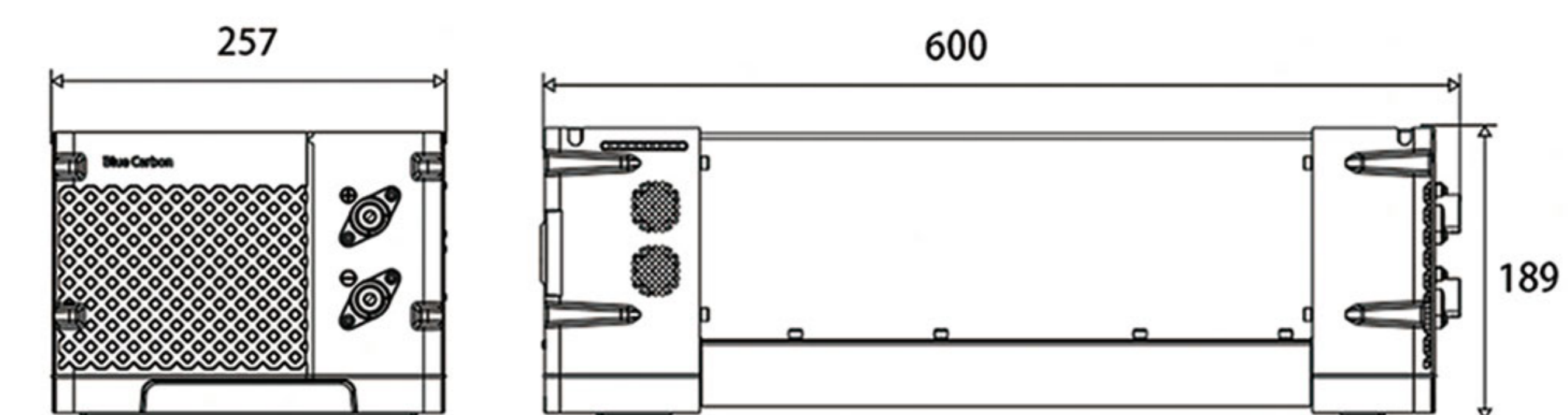


# Instructions



# Product Parameters

Model	BCT-3kWh
Rated Voltage	25.6V
Standard Capacity	150Ah
Continuously Use Input Current	80A
Continuously Use Output Current	80A
AC Output	220V/1.1kW
AC Output Frequency	50Hz
Charging Voltage	28.8V—30V
Cut-off	2.5V single cell
Self-Discharge (25°C)	<3%/month
Depth of Discharge	Up to 95%
Charge Method (CC/CV)	Operation: -20°C—70°C Recommendation: 10°C—45°C
Warranty	2 years
Product Size	600±2×257±2×189±2mm
Battery life	Up to 10 years under proper use

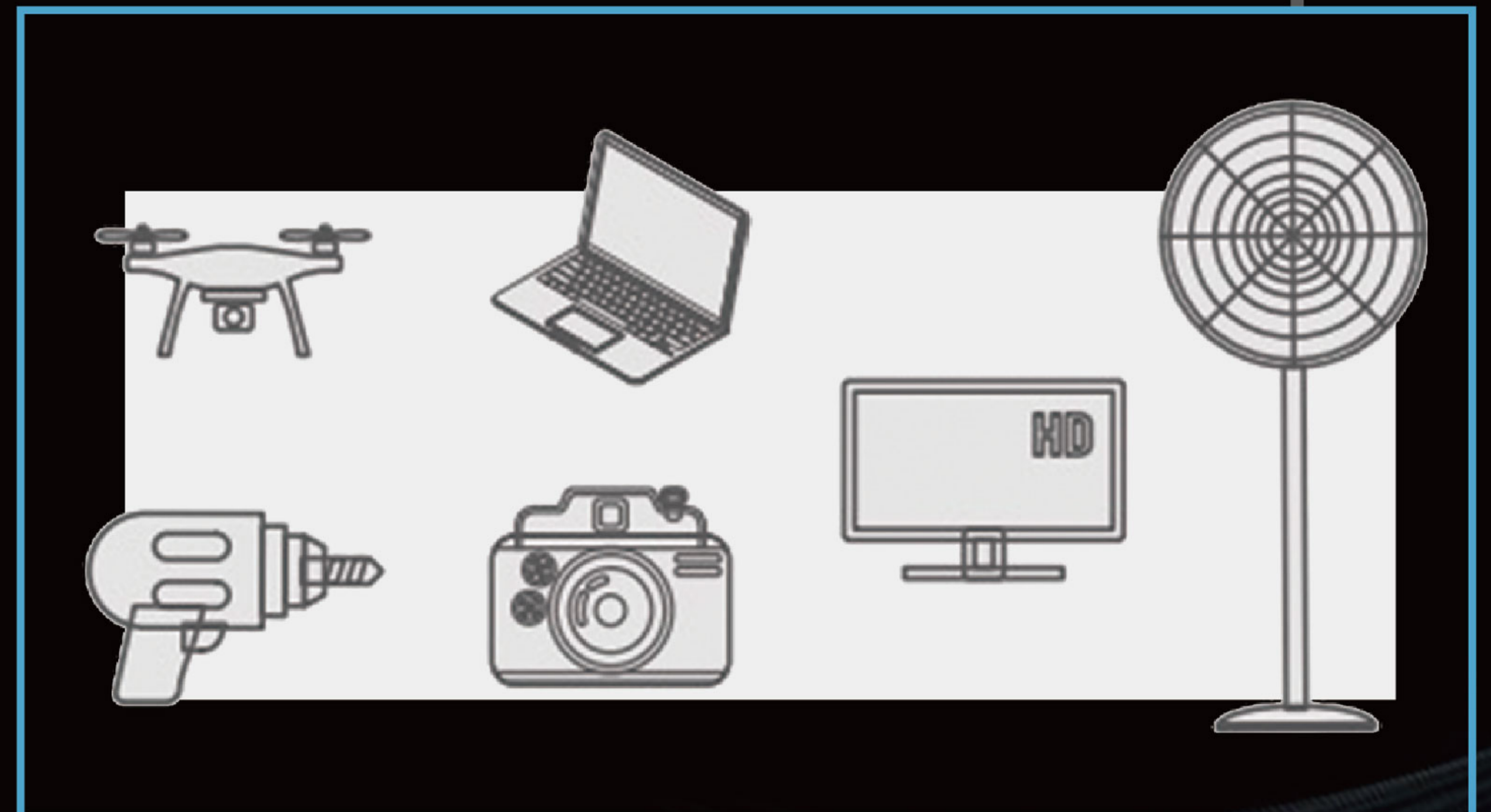
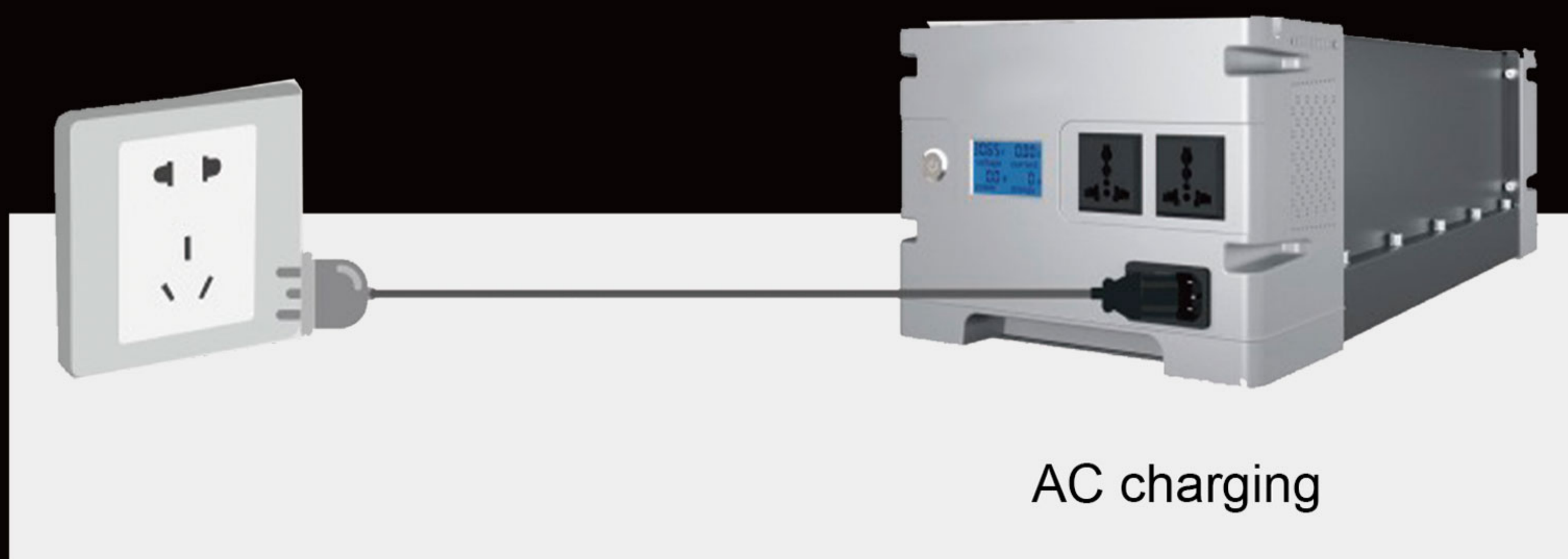
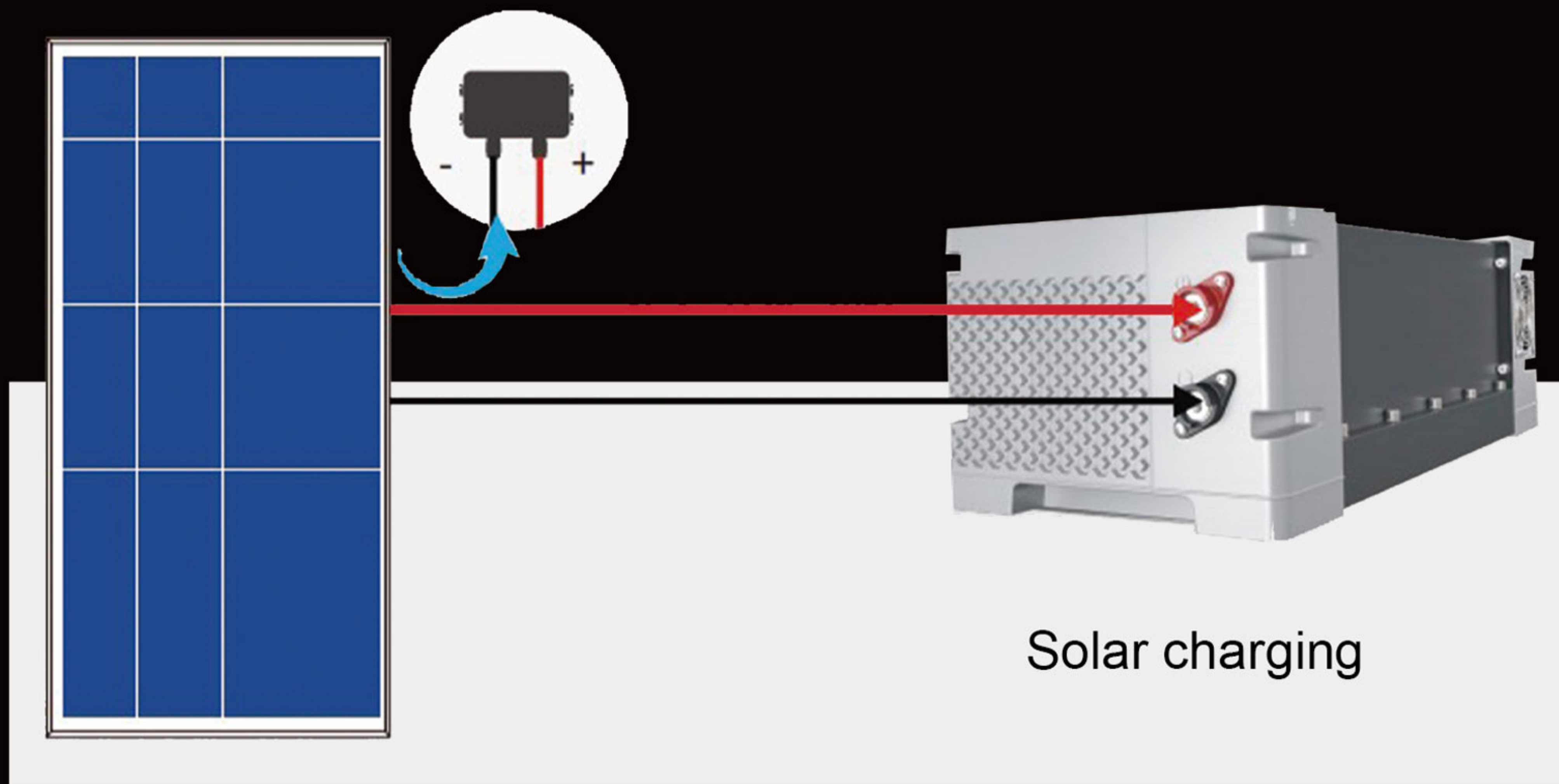


Unit: mm



# Two charging Methods

# AC output





# Application Places

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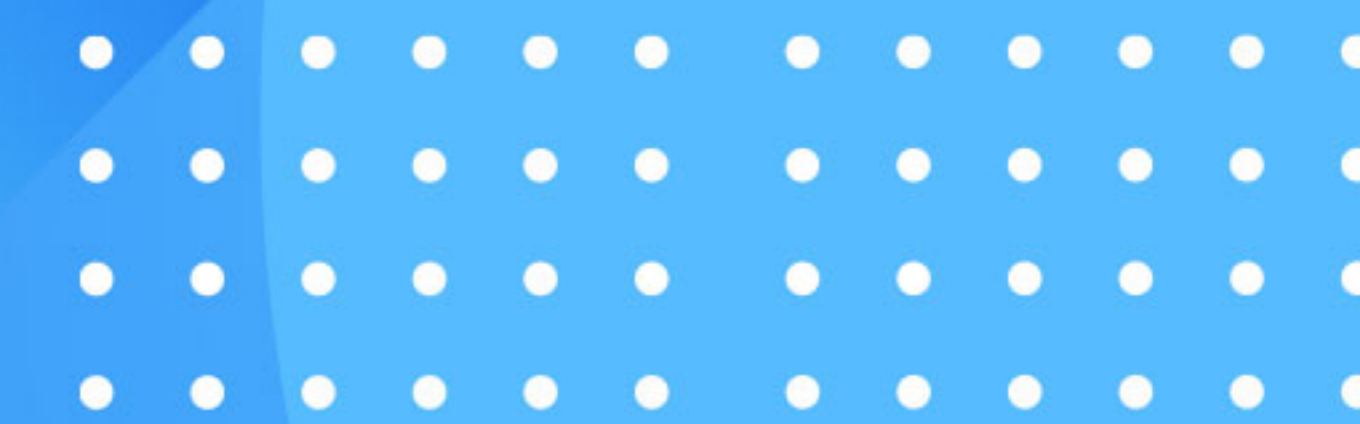






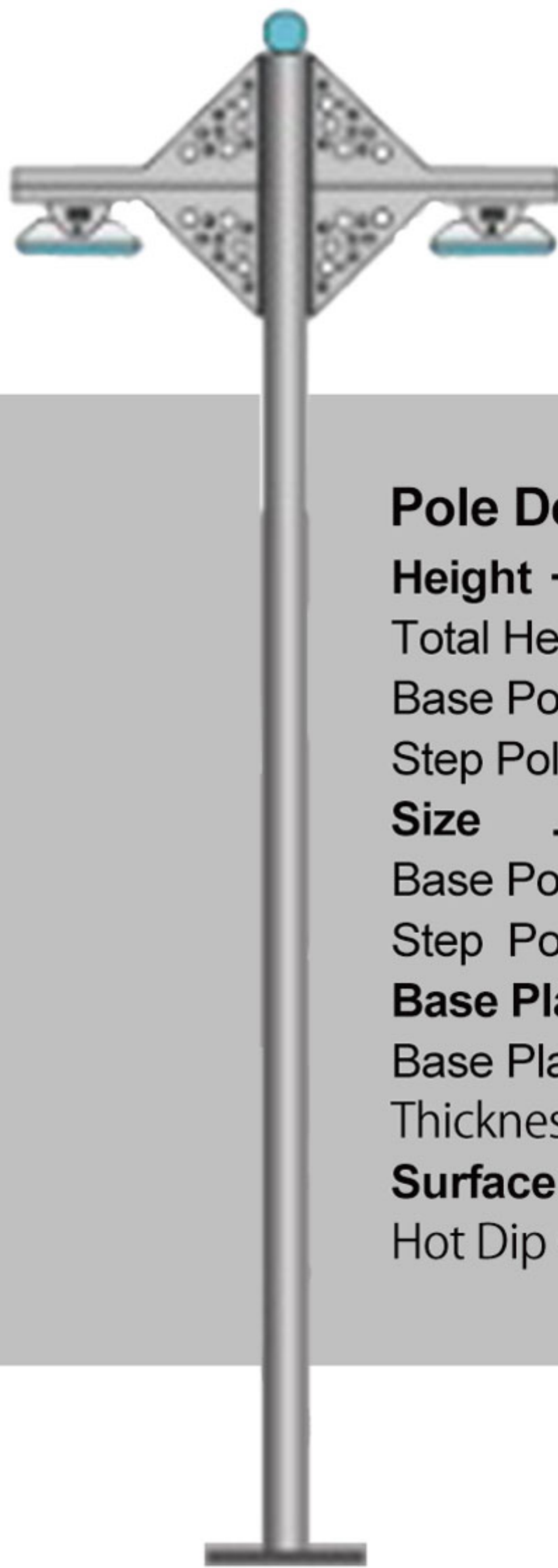
# Solar Street Light







# Integrated Solar Street Light Pole



**Pole Details**

**Height** \_\_\_\_\_  
Total Height : 07 Meters As Per Required  
Base Pole : 02 Meters As Per Required  
Step Pole : 05 Meters As Per Required

**Size** \_\_\_\_\_  
Base Pole :  $\varnothing 5$  "  
Step Pole :  $\varnothing 3$  "

**Base Place** \_\_\_\_\_  
Base Plate Size : 400x400(mm)  
Thickness : 16mm

**Surface Treatment** \_\_\_\_\_  
Hot Dip Galvanizing Powder Coating



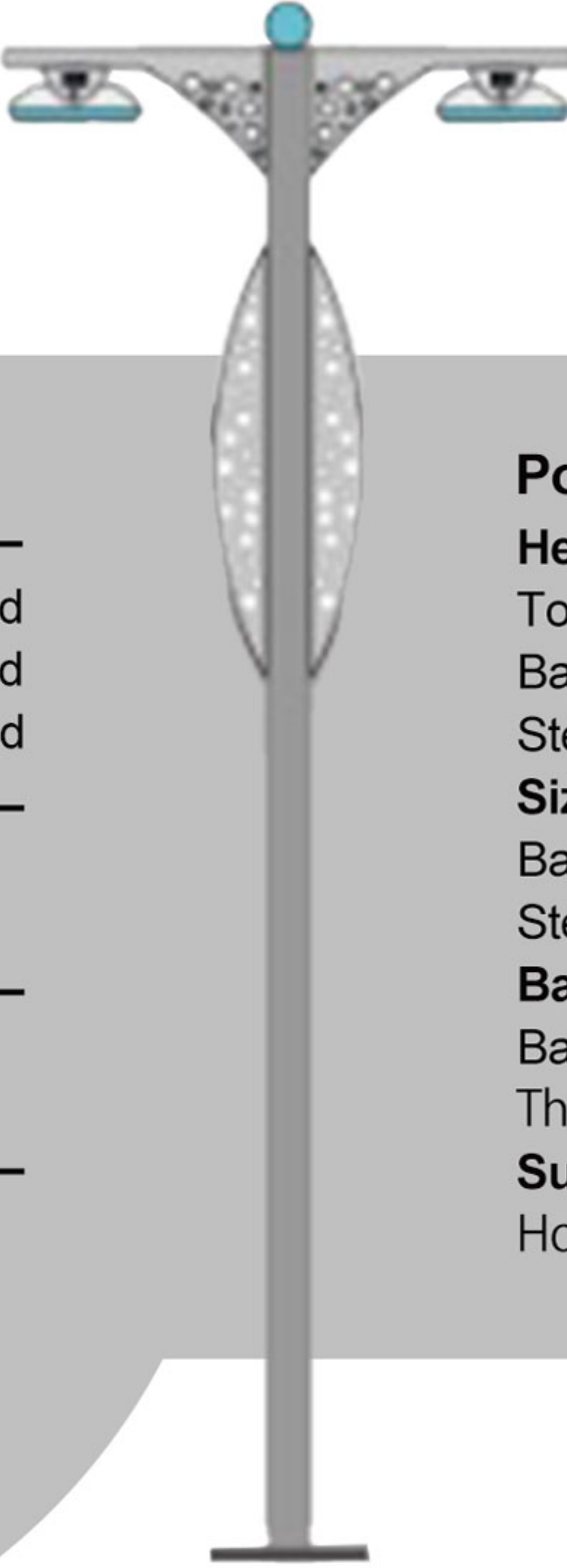
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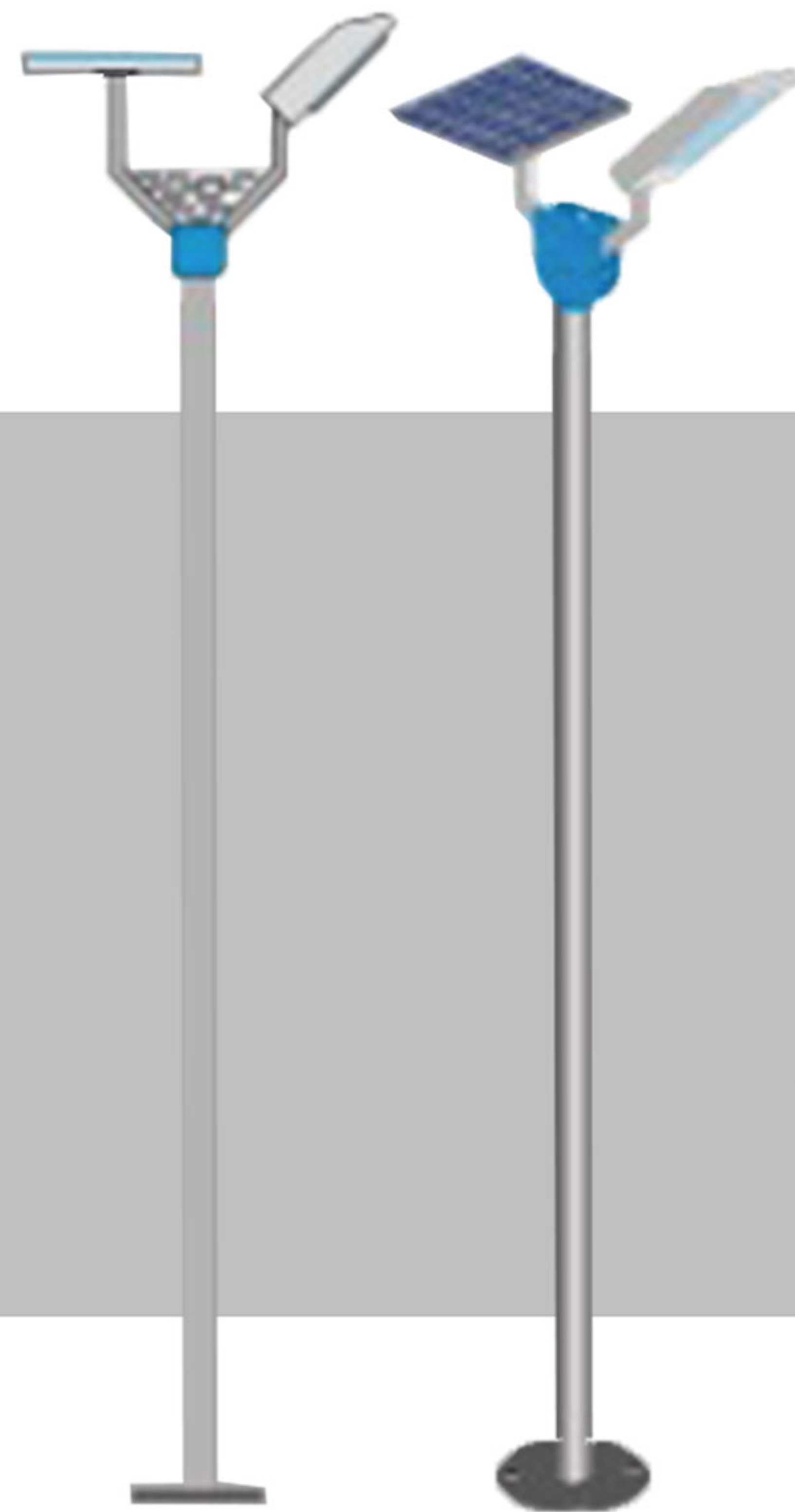
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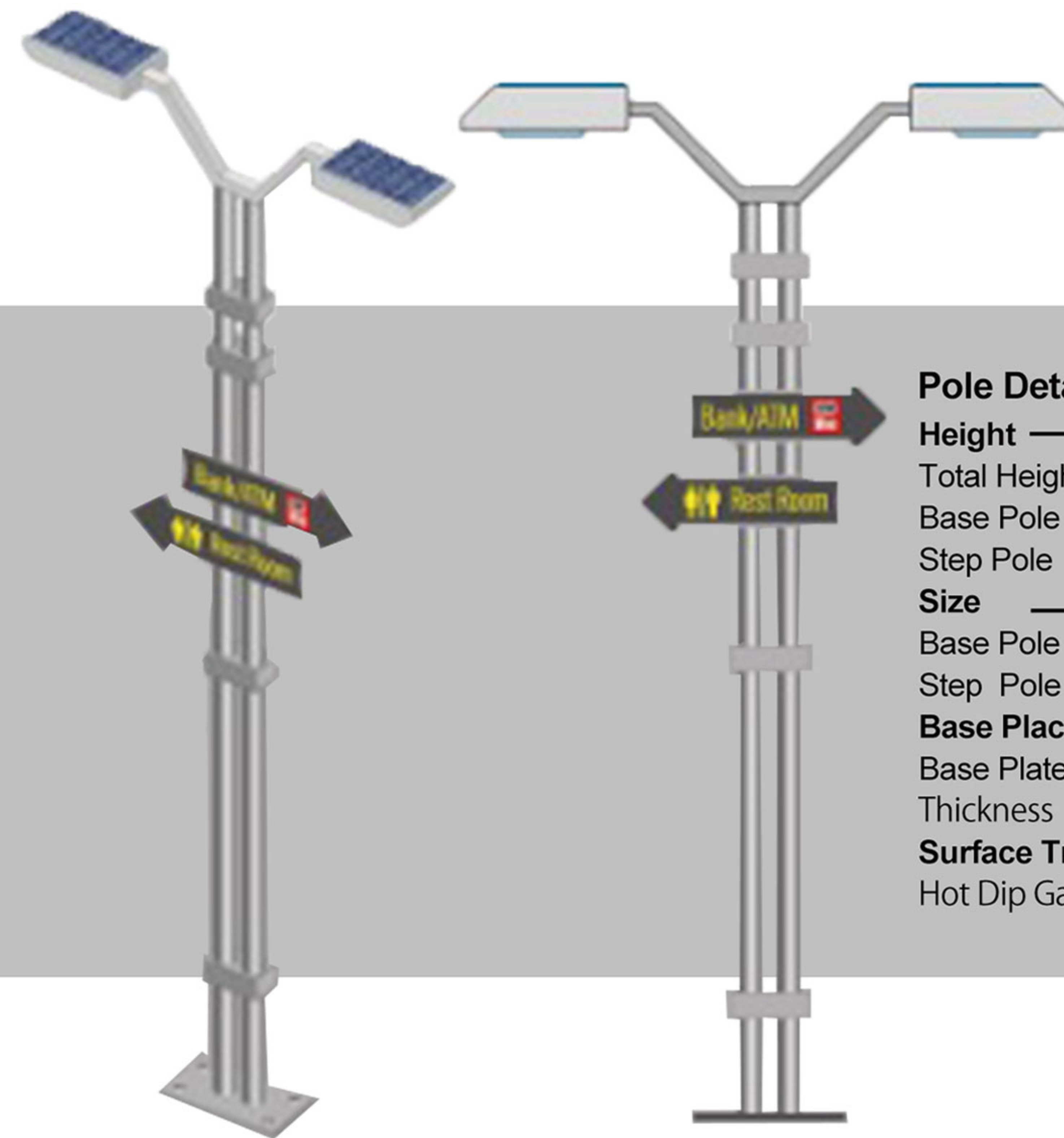
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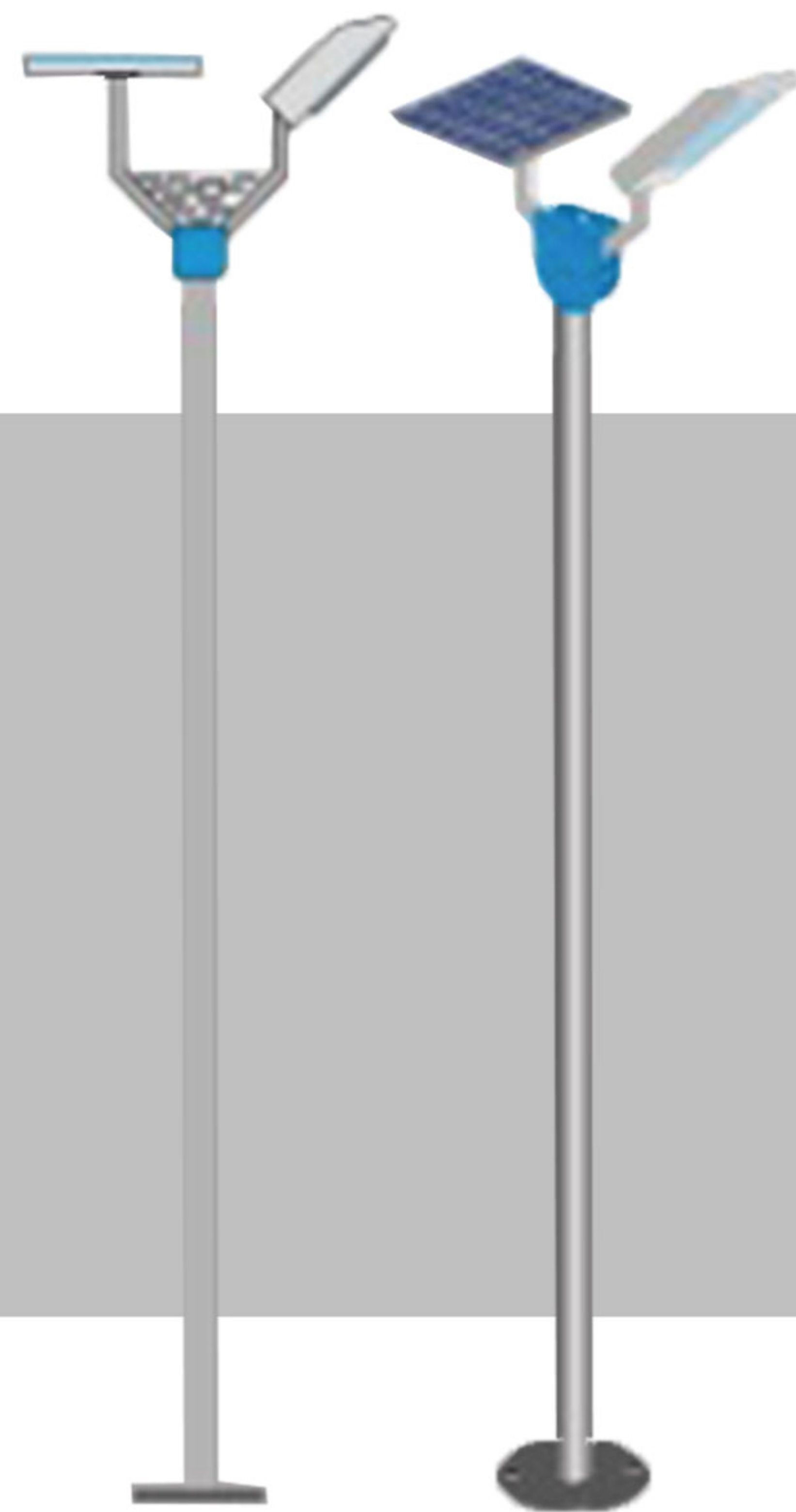
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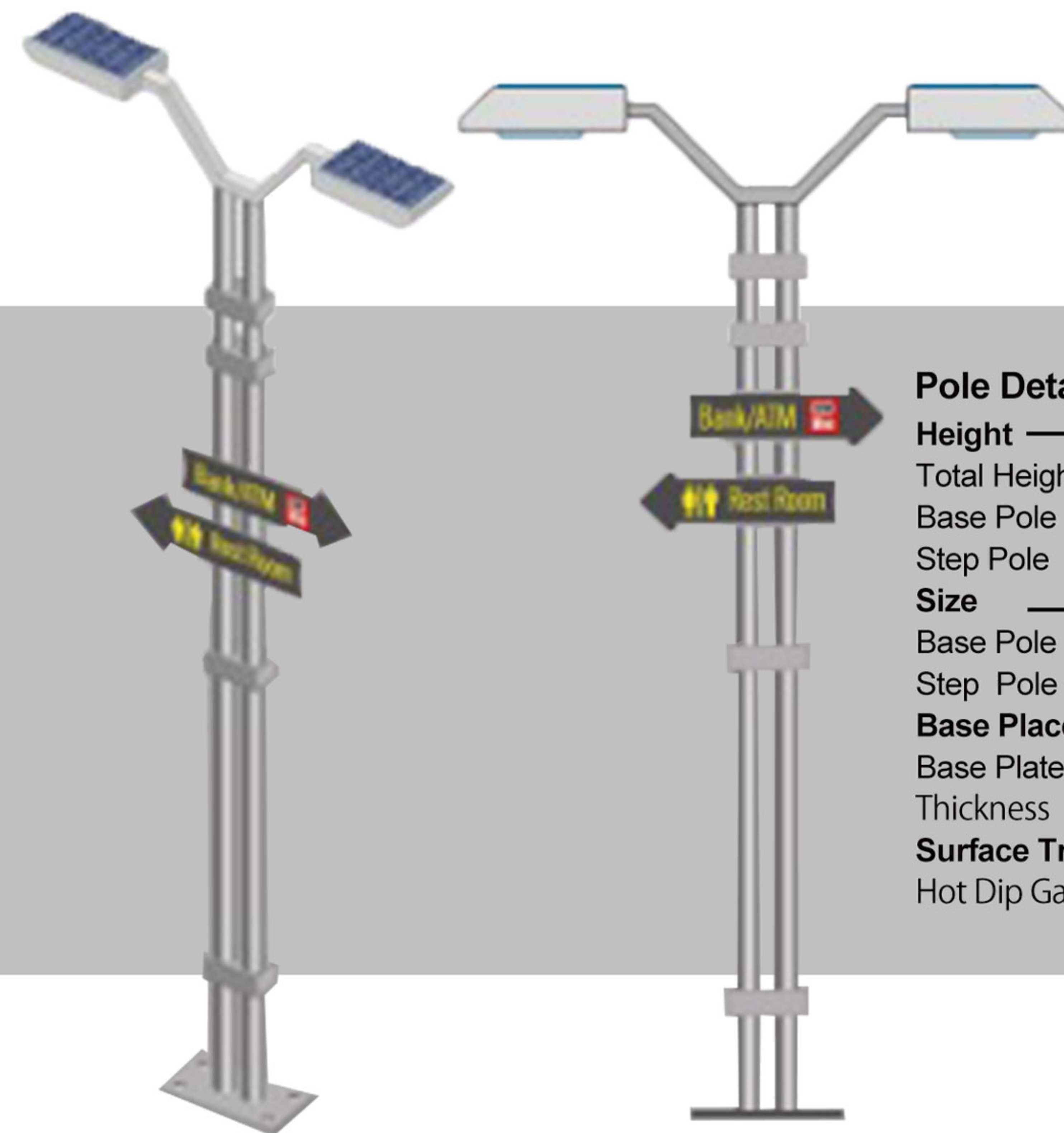
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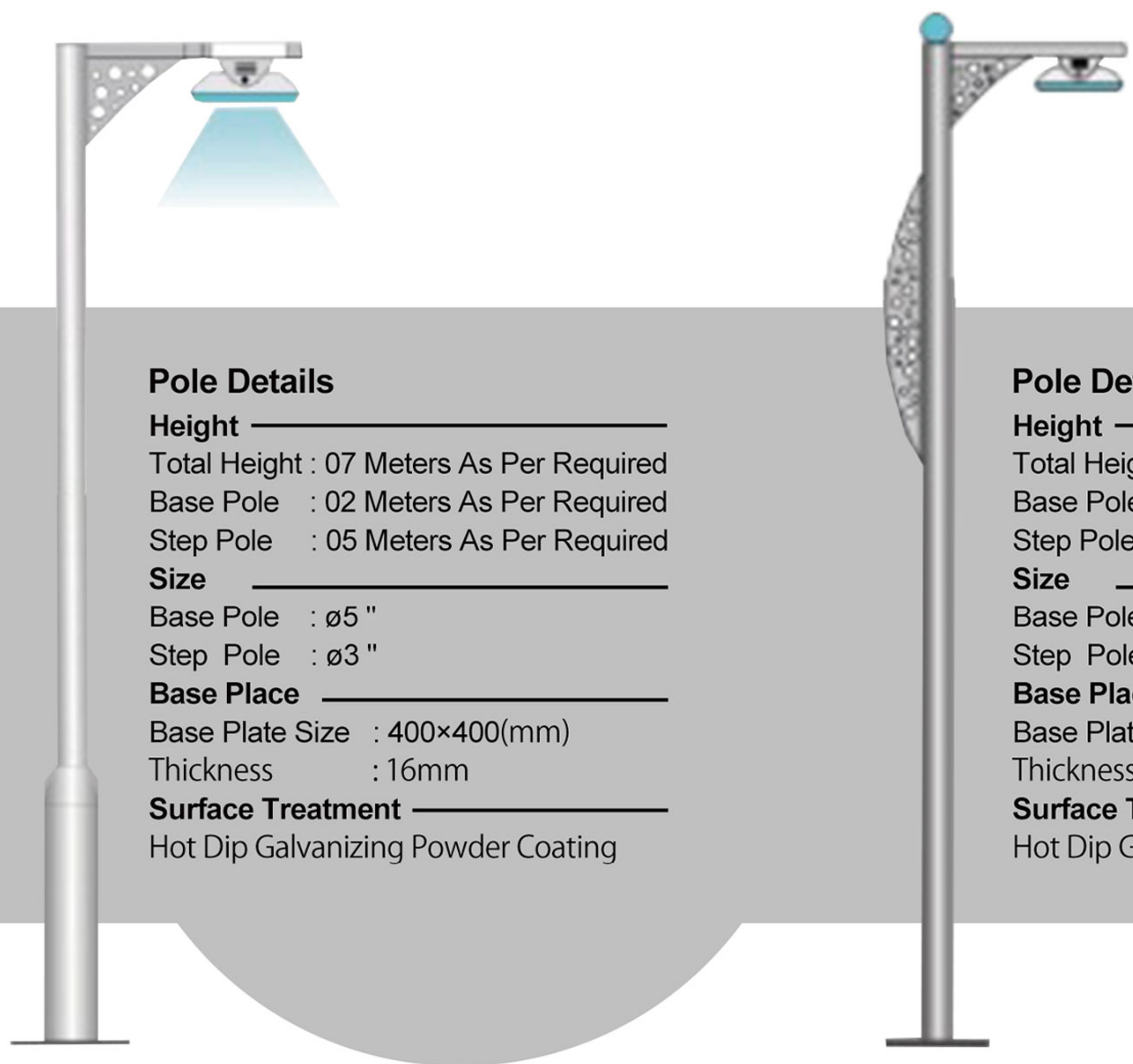
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## Integrated Solar Street Light Pole

## Solar Bollard Required



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#### Base Place

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 Thickness : 16mm

#### Surface Treatment

Hot Dip Galvanizing Powder Coating

### Pole Details

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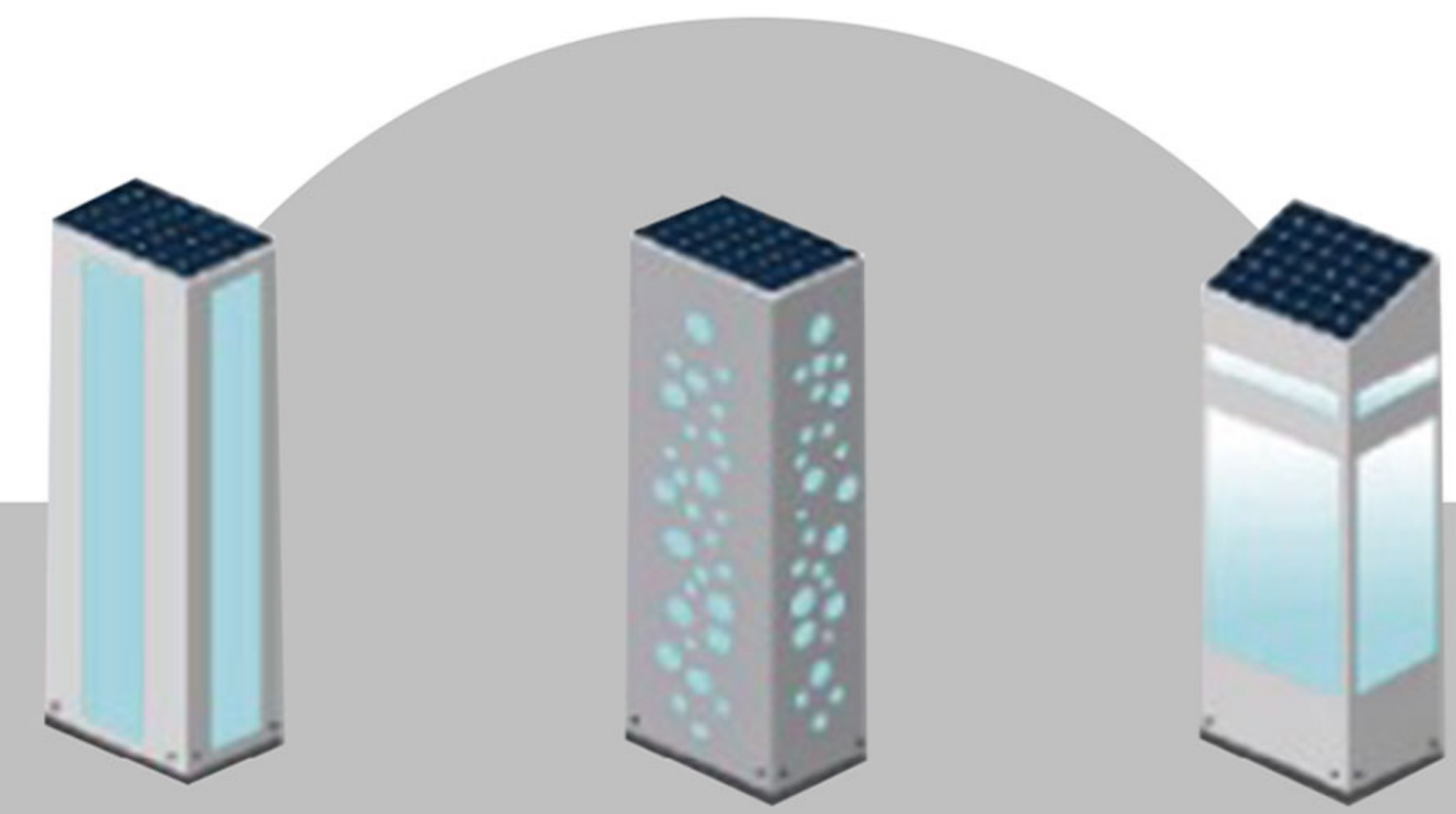
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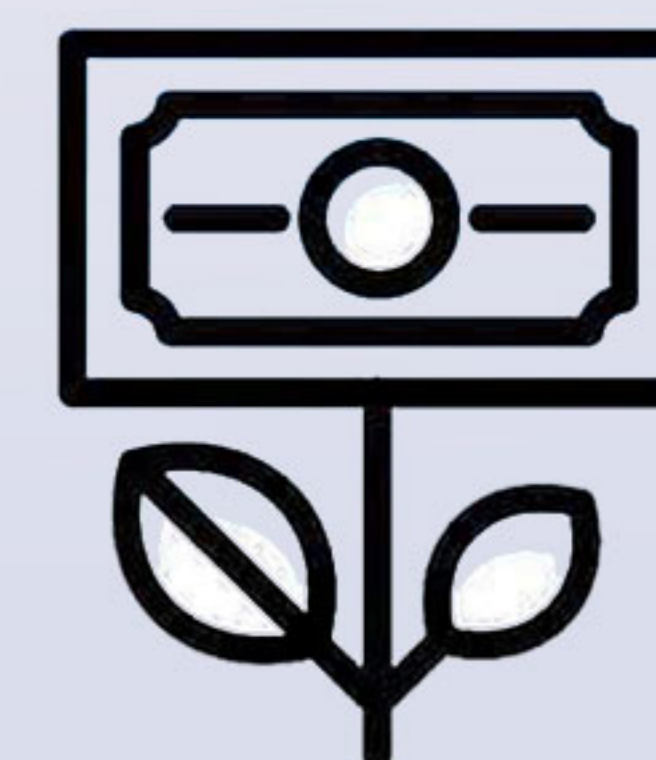
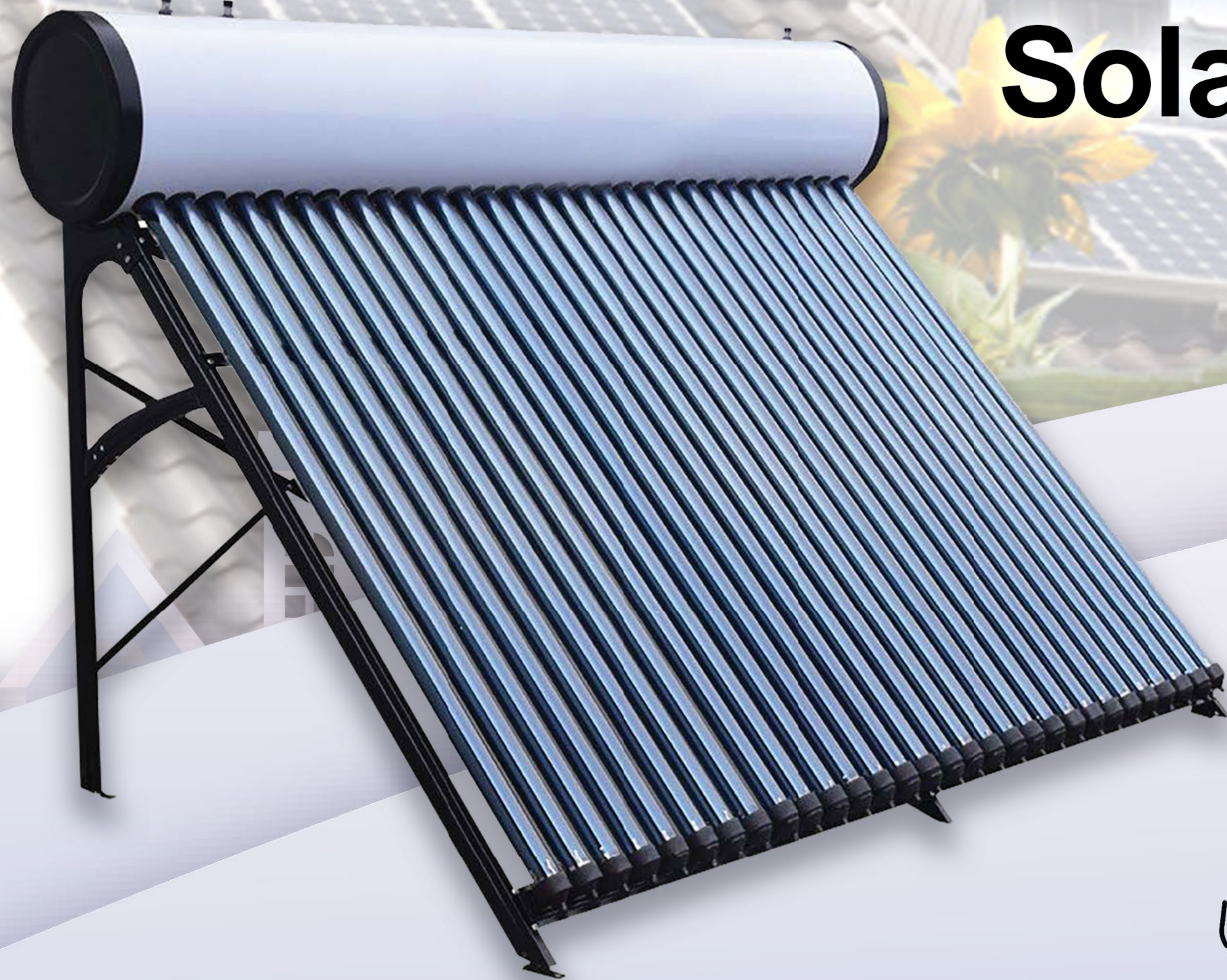
### Bollard Lights Details

Height : 900mm  
 Height : 305×185(mm)  
 Material : SS/GI  
 Surface Coating: Powder Coating  
 Customized Graphic Cutting Options  
 Customizes Display Color Options



# Solar Water Heater

## PVST-HP series





# Heat Pipe Technology

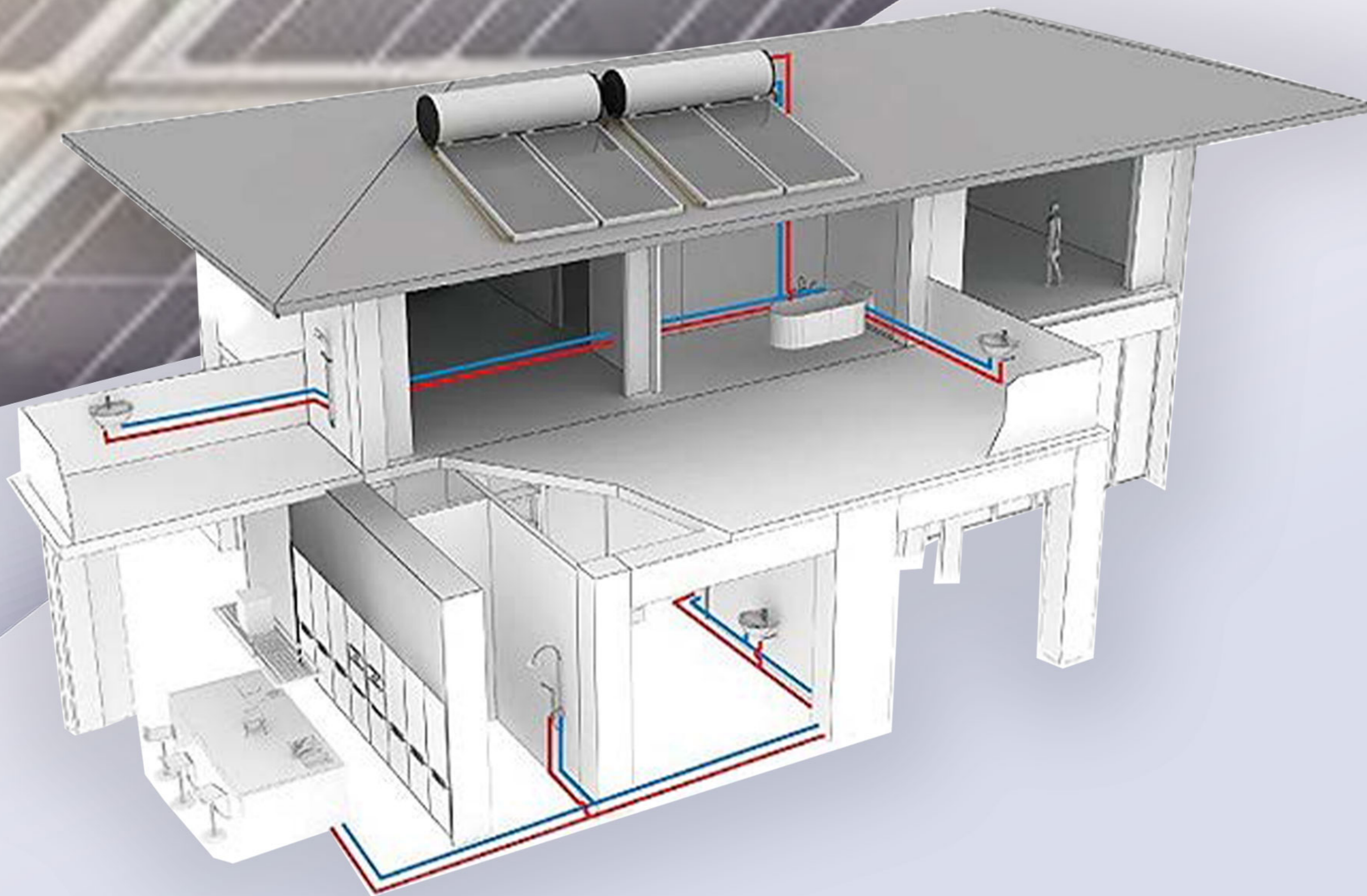
Jiraska solar water heating system features evacuated tube heat pipe solar technology that converts sun radiation energy into usable heat.

The heat is transmitted to the internal isolated storage tank within the system which can withhold heated water up to 72 hours. Water can be heated to above 70 degrees Celsius for optimum home usage.

It also features a safety valve to ensure the overall safety of the system in case of over-heat.

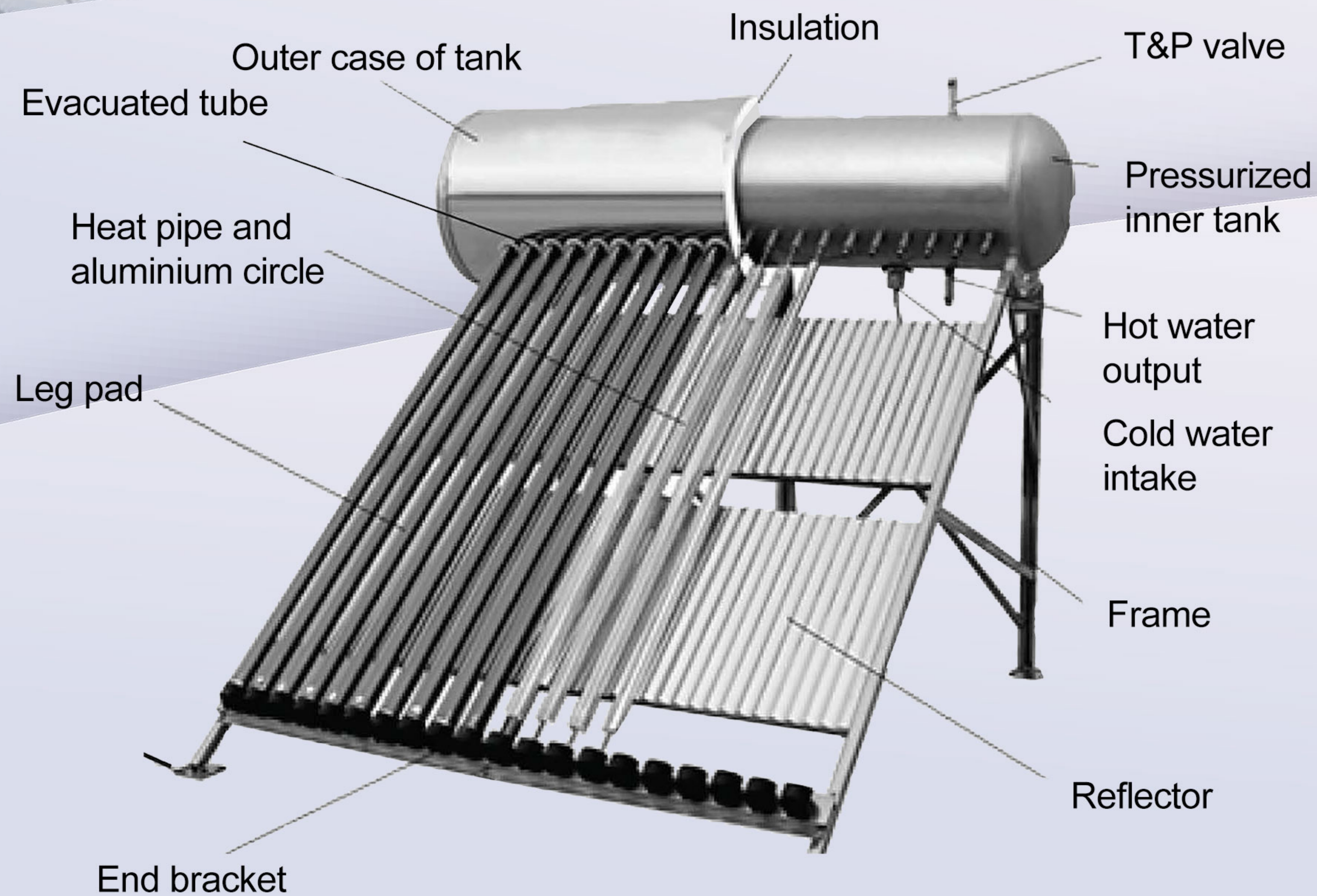
The storage tank is pressure tested at 10 bars, and is made to operate at 6 bars easily which allows direct installation and integration with home pressure pumps.

One central unit installed instead of several electrical heaters easy to maintenance and installation.





# Pressurized System



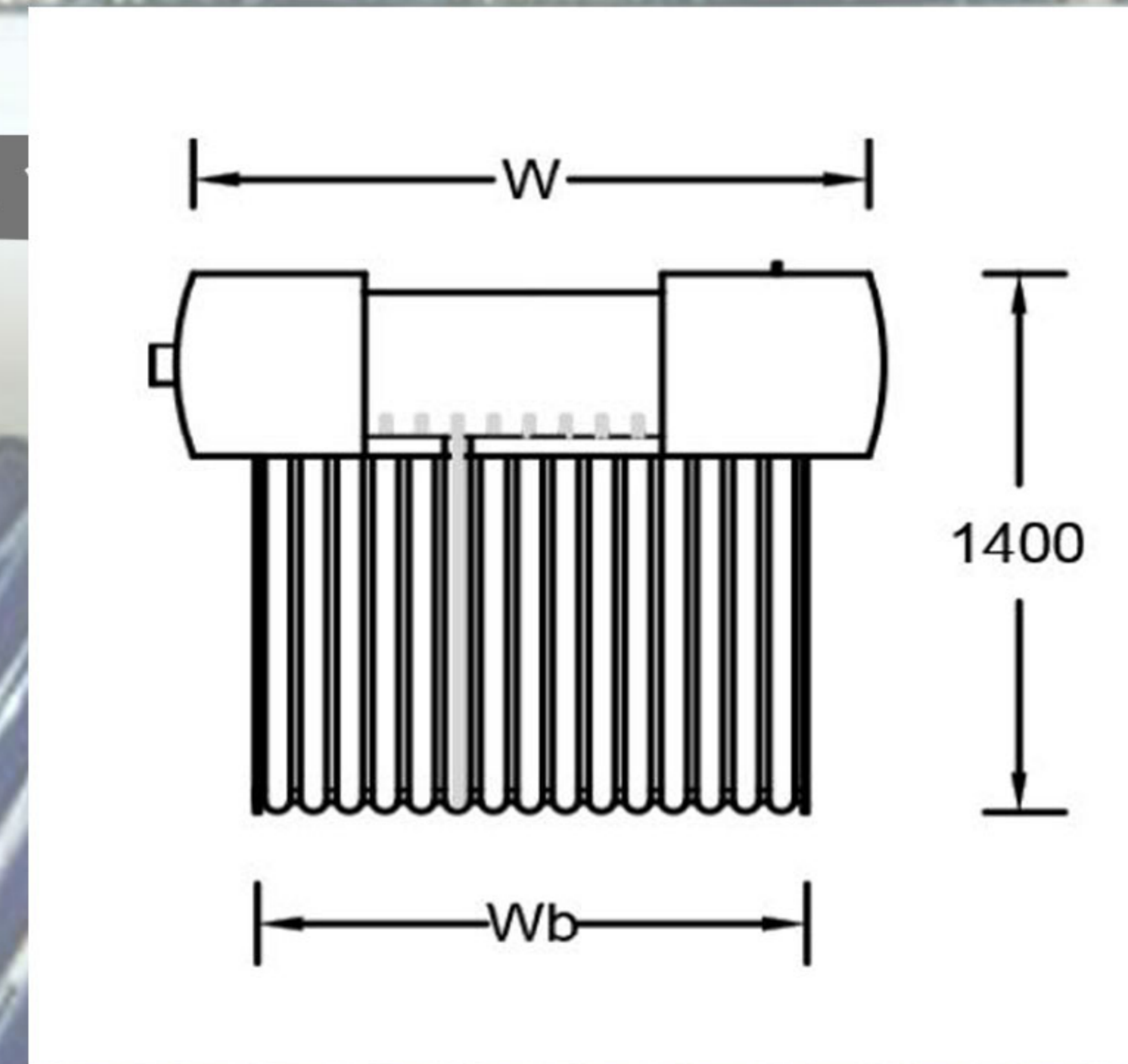
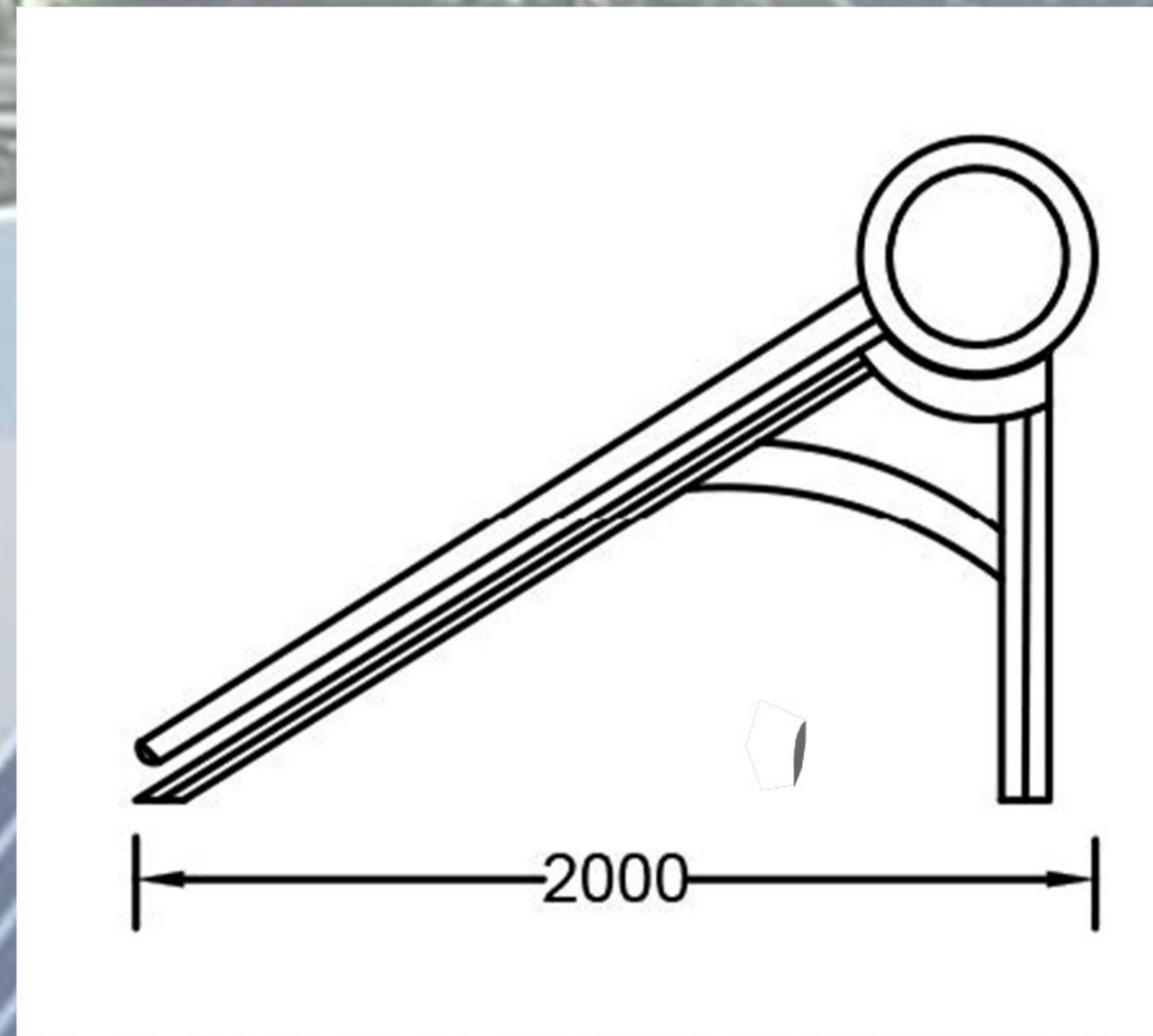
**Siema solar water heating system is manufactured according to the highest standards and top specifications to sustain GCC weather requirements and water resources. Internal storage tank is fully insulated and protected against rust and corrosion.**

Inner tank specifications:

- Stainless steel 316 (L)
- 6 Bars operating pressuer
- Preserve water temperature for 72 hours
- Backup heater installed



# Technical Specification



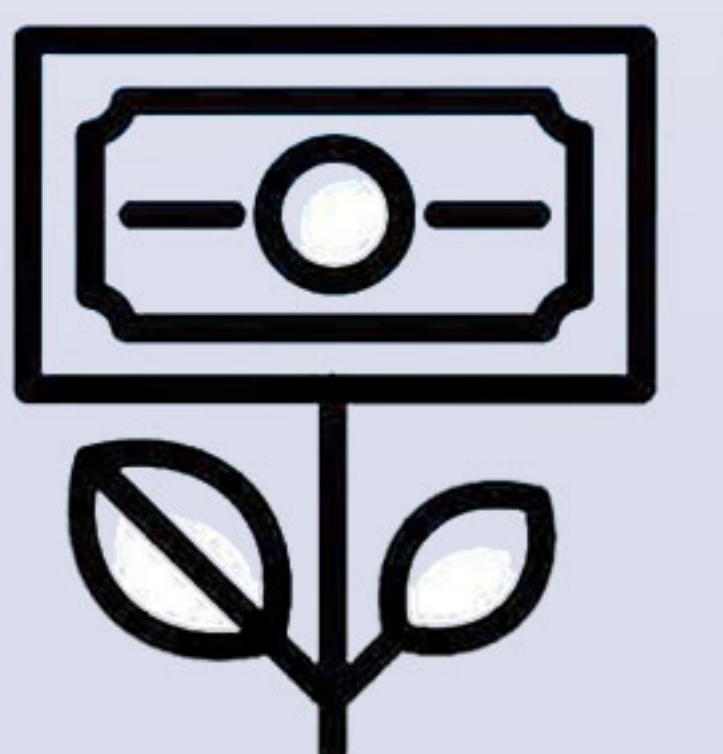
Part NR.	PVST-HP15	PVST-HP20	PVST-HP-24	PVST-HP30
tank capacity (L)	150	200	240	300
heating feature	heat pipe tube	heat pipe tube	heat pipe tube	heat pipe tube
heatpipe tube (psc)	58*1800*15	58*1800*20	58*1800*24	58*1800*30
inner tank material	SUS316L*2mm	SUS316L*2mm	SUS316L*2mm	SUS316L*2mm
inner tank diame- ter(mm)	370	370	370	370
inner tank length (mm)	1220	1640	1980	2440
outer tank material	pre-painted GI steel	pre-painted GI steel	pre-painted GI steel	pre-painted GI steel
outer tank diameter (mm)	470	470	470	470
outer tank length (mm)	1480	1900	2240	2700
isolation density	42KGS/m <sup>3</sup> polyure- thane foam	42KGS/m <sup>3</sup> polyure- thane foam	42KGS/m <sup>3</sup> polyure- thane foam	42KGS/m <sup>3</sup> polyure- thane foam
isolation thickness (mm)	50	50	50	50
water inlet	3/4"	3/4"	3/4"	3/4"
water outlet	3/4"	3/4"	3/4"	3/4"
circulation inlet	1/2	1/2	1/2	1/2
aperture area	1.93	2.62	3.18	4.01
absorbing area	1.45	1.97	2.38	3.01
dimensions (W/wb) mm	1480/1225	1900/1625	2240/1945	2700/2450





# Solar Water Heater

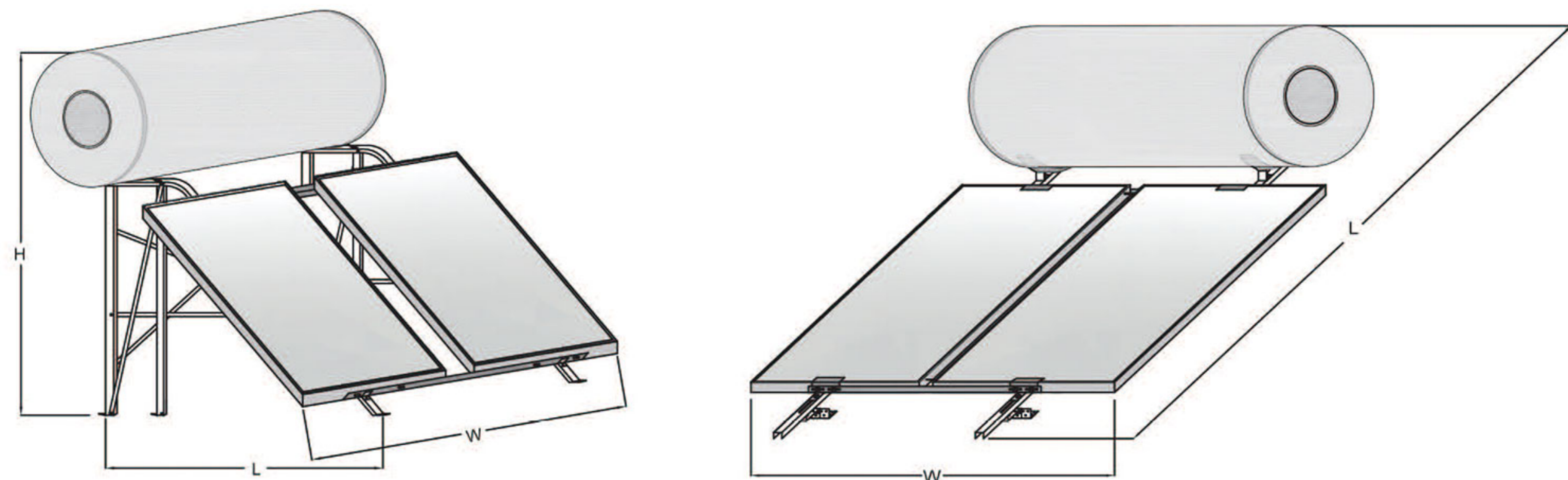
## FBS SERIES





# Thermosiphon Solar Systems

## High Profile



### Type

Flat roof installation  
Tiled roof installation

### Model

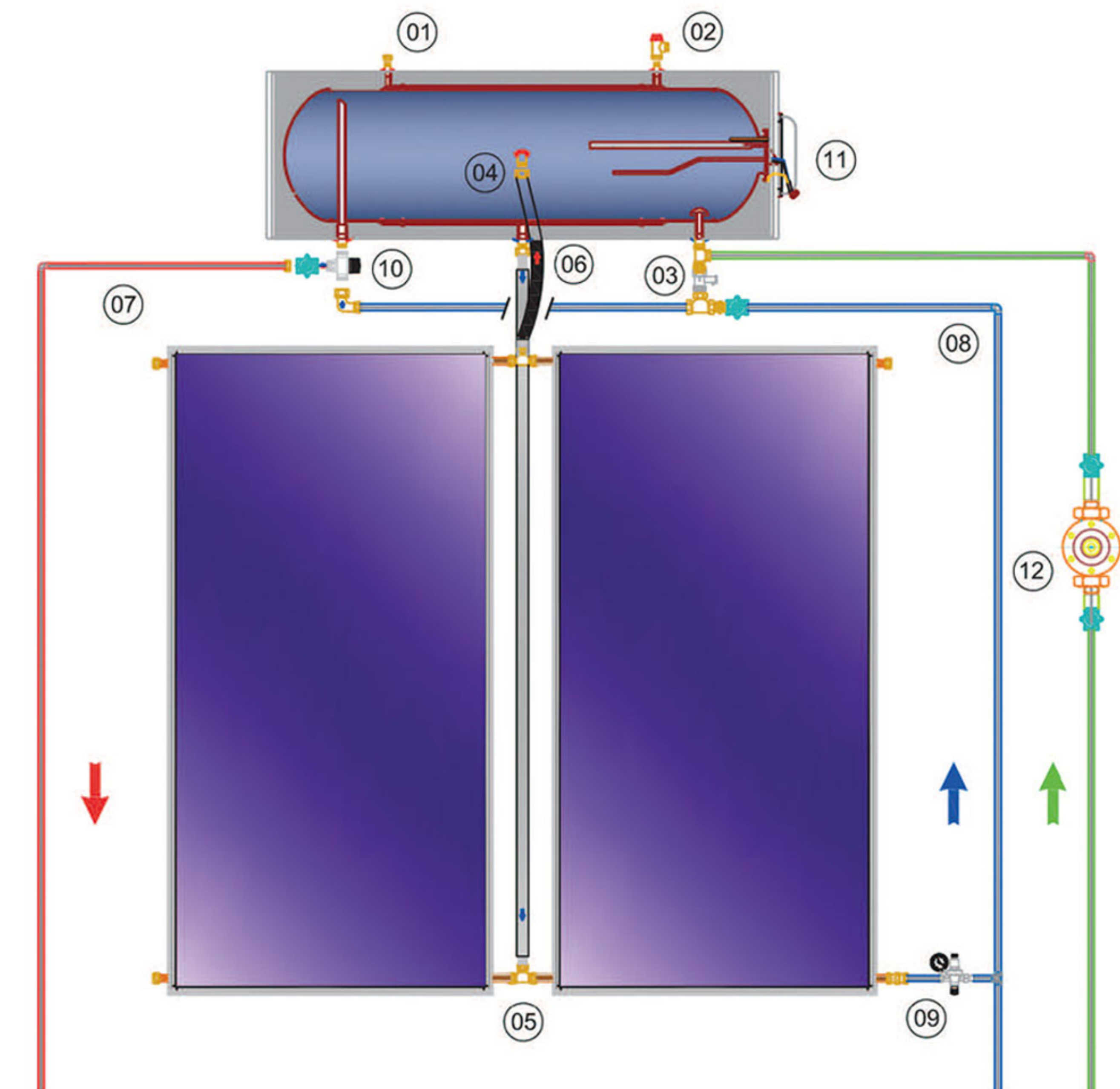
TSF  
TST

Thermo-siphon solar system efficiently fits the need of individual apartments / offices where no need for primary circulating pumps thanks to low pressure drop (less than 0.3mbar) of tank's jacket heat exchanger.

### Dimensions

Model	Tank, lit	Collectors	L, mm	W, mm	H, mm	System weight empty, kg
TSF120	120	1x1000x2000	1930	1045	1750	114
TSF160	160	1x1000x2000	1930	1045	1750	129
TSF200	200	1x1000x2000	1930	1045	1750	135
TSF200	200	1x1230x1980	1930	1233	1800	148
TSF200	200	2x1000x1500	1580	2120	1800	165
TSF250	250	2x1000x2000	1930	2120	1800	198
TSF300	300	2x1000x2000	1930	2120	1800	211
TST200	200	2x1000x1500	2500	2120	-	174
TST300	300	2x1000x2000	2500	2120	-	185

## Hydreulic Connections



- ① Filling pipe for primary circuit
- ② Pressure relief valve 6 bar
- ③ N/R + safety valve 10 bar
- ④ Inlet of solar primary circuit, stainless steel flexible pipe
- ⑤ Outlet of solar primary circuit, stainless steel flexible pipe
- ⑥ Stainless steel flexible pipe with insulation
- ⑦ Outlet of domestic hot water supply
- ⑧ Inlet of domestic cold water supply
- ⑨ Automatic filling valve
- ⑩ Thermostatic mixing valve
- ⑪ Electrical heating element
- ⑫ Domestic hot water return pipe