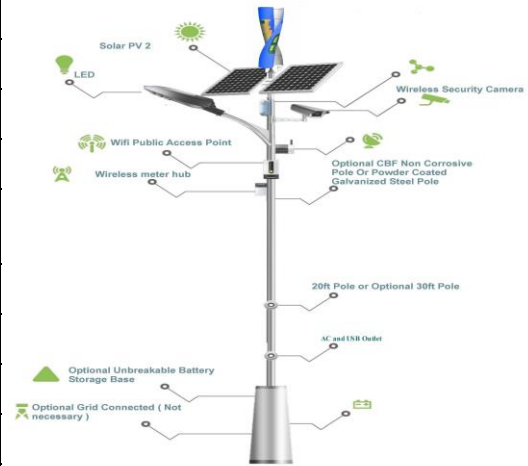


Specification for Wind and Solar LED Street Light

Model	WINSOC
Light source	24V/100W
Wind generator	24V/200W
Solar panel	24V/200W
Controller	24V/10A
Lamp Pole	9m, hot galvanized steel, surface with Powder Coating (include rag bolts, battery house, solar bracket and cables)
IP rating	IP65
Working time	10hours, 4 rainy days
Working temperature	-40℃~ 65℃
Lighting feature	≥10000
Certification	CE, RoHS



Light Source

Model	SL-100
Rated Power	100W / 50W (Step Dimming - Includes Occupancy Sensor)
LED Power	100W
Luminous Flux	≥11000lm
LED Efficiency	≥110m/W
Voltage (VDC)	24V
TYPE	Inside Patented with 3 years warranty
Protection Grade	IP66
Fixture efficiency	>92%
Life Time	50,000h
Color Temperature(CCT)	5500-6500K
Working Temperature(℃)	-40-60℃
Lampshade	Toughened Glass
Lamp Body Material	Aluminum Alloy
Size	960L×376W×200H
Weight	10Kg



Wind Turbine

Model	WSC200
Rated power	200W
Maximum power	250W
Nominal voltage	24V
Start wind speed	1.2m/s
Rated wind speed	10m/s
Rated revolution	200rpm
Weight	12 kg
Diameter	670mm
Height	1.5m
Blade number	2
Blade material	CBF
Generator	Three-phase permanent magnet synchronous generator.
Controller system	Electromagnetic/wind round lateralization.



Speed way	Automatically adjust the windward angle.	
Solar Panel		
Maximum Power	100W x 2	
Optimum Power Voltage(Vmp)	17.64	
Optimum Operatige Current(Imp)	3.41	
Open Circuit Voltage(Voc)	21.4	
Short Circuit Current(Isc)	3.77	
Size of Module(mm)	1100*610*5.5	
Front Glass Thickness(mm)	5	
Temperature Coefficients of Isc(%)/℃	0.065+/-0.015%/℃	
Temperature Coefficients of Voc(%)/℃	- (2.23+/-0.1) mv/ ℃	
Temperature Coefficients of Pm(%)/℃	-(0.5+/-0.05)/℃	
Temperature Coefficients of Im(%)/℃	+0.1/ ℃	
Temperature Coefficients of Vm(%)/℃	-0.38	
Temperature Range	-40℃ to +85℃	
Tolerance Wattage(e.g,+/-5%)	±5%	
Surface Maximum Load Capacity	60m/s(200kg/sq.m)	
Allowable Hail Load	steel ball fall down from 1m height	
Weight Per Piece(KG)	7	
Bypass Diode Rating(A)	12	
Cell Efficiency for 80W(%)	>16.85%	
Frame(Material Corners,etc.)	Aluminium	
Standard Test Conditions	AM1.5 1000W/m ² 25 +/-2℃	
FF (%)	70%	
Wifi and cannera		
	<p>150M Outdoor Network Bridge</p> <ul style="list-style-type: none"> 400mW high power 32MB RAM strong hardware 14dBm three-layers patent antenna Smart one key setting software Lamp indicating signal strength 	
	<p>1/2.8" SONY IMX222 CMOS Sensor</p> <p>Powerful 20x optical zoom, 4.7-94mm lens</p> <p>Full Aluminium Alloy Wiper</p> <p>100M IR Distance</p> <p>Auto Tracking Function</p> <p>Quickly Installation Structure</p> <p>Video Analysis Light-Adjustment Technology</p> <p>IP66 all-environments protection</p>	
Controller		
	<p>High efficiency constant current driver, automatic operation from dusk to dawn or timed ON/OFF operation.</p> <p>Protection functions:Anti-Over-charge, Over-discharge, extend battery life and reduce maintenance. Remote monitoring software is included.</p>	
Pole		



9 m hot galvanized steel,surface with Powder Coating.