



Specification for Smart Wind and Solar 60W LED Street Light

Model	WINSOC60
Light source	24V/60W
Wind generator	24V/50W
Solar panel	24V/240W
Controller	24V/10A
Lamp Pole	4.5m, hot galvanized steel, surface with black Powder Coating (include rag bolts, battery house, solar bracket and cables)
IP rating	IP65
Working time	10hours, 4 rainy days
Working temperature	-40℃~ 70℃
Lighting feature	6600
Certification	CE, RoHS



Model	SL-60
Rated Power	60W
LED Power	60W
Luminous Flux	6600lm
LED Efficiency	110 lm/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	9Kg
Brand Name	Sunlaite
Place of Origin	Jiangsu, China (Mainland)



Model	WSC50
Rated power	50W
Maximum power	70W
Nominal voltage	24V
Start wind speed	1.2m/s
Rated wind speed	10m/s
Rated revolution	200rpm
Weight	12 kg
Diameter	500mm
Height	1 m
Blade number	2
Blade material	CBF -chose color
Generator	Three-phase permanent magnet synchronous generator.
Controller system	Electromagnetic/wind round lateralization.



Speed way	Automatically adjust the windward angle.	
Battery	200AH	Not Included
Solar Panel		
Maximum Power	120W 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 Thikness(mm)	5	
Temperature Coefficients of Isc(%)/°C	0.065+/-0.015%/°C	
Temperature Coefficients of Voc(%)/°C	- (2.23+/-0.1) mv/ °C	
Temperature Coefficients of Pm(%)/°C	-(0.5+/-0.05)/°C	
Temperature Coefficients of Im(%)/°C	+0.1/ °C	
Temperature Coefficients of Vm(%)/°C	-0.38	
Temperature Range	-40°C to +85°C	
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)	8	
Bypass Diode Rating(A)	12	
Cell Efficiency for 80W(%)	>16.85%	
Frame(Material Corners,etc.)	Alumnium (Black or Silver)	
Standard Test Conditions	AM1.5 1000W/m² 25 +/-2°C	
FF (%)	70%	



Wifi and cannera

	<p>150M Outdoor Network Bridge 400mW high power 32MB RAM strong hardware 14dBm three-layers patent antenna Smart one key setting software Lamp indicating signal strength</p>
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	<p>1/2.8" SONY IMX222 CMOS Sensor Powerful 20x optical zoom, 4.7-94mm lens Full Aluminium Alloy Wiper 100M IR Distance Auto Tracking Function Quickly Installation Structure Video Analysis Light-Adjustment Technology IP66 all-environments protection</p>
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Controller

	<p>MPPT High efficiency constant current driver, automatic operation from dusk to dawn or timed ON/OFF operation. Protection functions:Anti-Over-charge, Over-discharge, extend battery life and reduce maintenance.</p>
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Pole

	<p>4.5 m hot galvanized steel,surface with Powder Coating.</p>
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