
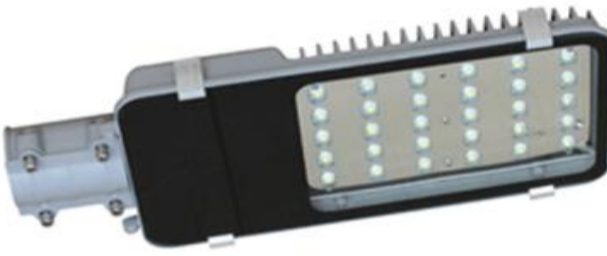



## Specification for Wind and Solar LED Street Light

Model	Winso60	
Light source	24V/60W	
Wind generator	24V/100W	
Solar panel	24V/200W	
Controller	24V/25A	
Lamp Pole	7m, hot galvanized steel, surface with Powder Coating (include rag bolts, battery house, solar bracket and cables)	
IP rating	IP65	
Working time	10hours, 5 rainy days	
Working temperature	-40°C ~ 65°C	

### Light Source

Rated Power	60W	
LED Power	55W	
Luminous Flux	7800lm	
LED Efficiency	130 lm/W	
Voltage (VDC)	24V	
Protection Grade	IP66	
Fixture efficiency	>92%	
Life Time	50,000h	
Color Temperature(CCT)	5500-6500K	
Working Temperature(°C)	-40--60°C	
Lampshade	Toughened Glass	
Lamp Body Material	Aluminum Alloy	
Size	960*376* 200mm	
Weight	7 Kg	

### Wind Turbine

Rated power	100W	
Maximum power	150W	
Nominal voltage	24V	
Start wind speed	1.2m/s	
Rated wind speed	10m/s	
Rated revolution	200r/m	
Weight	20kg	
Diameter	520mm	
Height	1.3m	
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)	24V	
Optimum Operatige Current(Imp)	3.41	
Open Circuit Voltage(Voc)	21.4	
Short Circuit Current(Isc)	3.77	
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%	
Allowable Hail Load	steel ball fall down from 1m height	
Weight Per Piece(KG)	8.2KG	
Frame(Material Corners,etc.)	Alumnium	
Standard Test Conditions	AM1.5 1000W/m² 25 +/-2°C	
FF (%)	70%	

**Battery**

**T105RE  
6v 225ah**

**Flooded/wet lead-acid battery**

**Specs attached**

**Wind Solar Hybrid Controller**



**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.**

**Pole**



**7m hot galvanized steel, surface with Powder Coating.**



