

**WIND & SOLAR HYBRID LED STREET LIGHT**

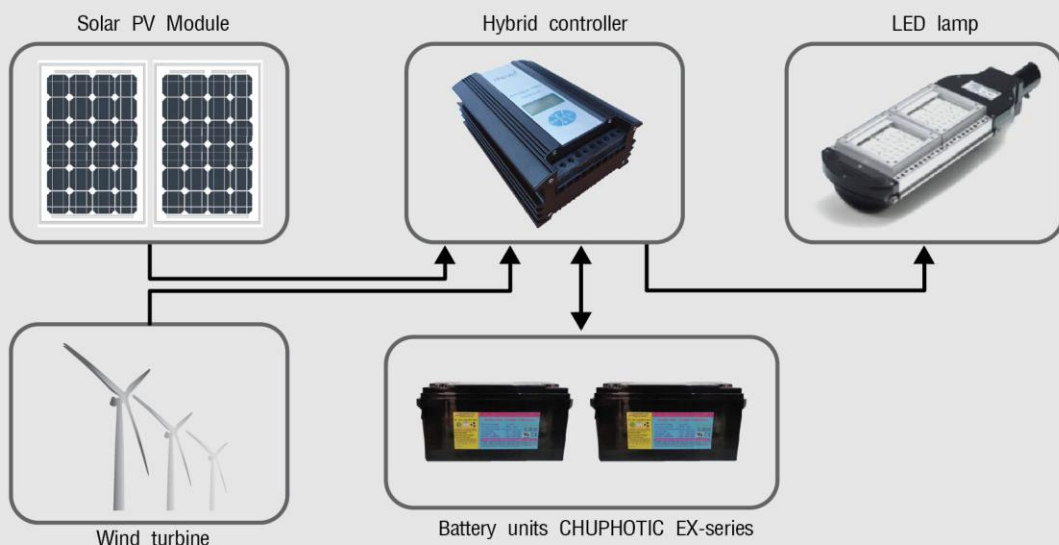
**Features system:**

- Battery & Solar charge controller cabinet
- LED lamp, Solar panel, Solar charge controller, Wind turbine, Battery, Anchor cage and Lamp post
- Bracket for LED lamp and solar panel
- Included accessories as cable, fastening, etc
- ISO9001, ISO14001, TUV and OHSAS18001 manufacturer certified.

**Features Lamp:**

- High luminous efficiency LED
- Low heat generated
- High reliability chip
- Long life more than 40,000 hrs.
- No UV irradiated
- IP rating IP65

**WIND & SOLAR HYBRID LED STREET LIGHT SYSTEM**



## WIND&SOLAR HYBRID STREET LIGHT

### EXTRA LIGHT LED LAMP

#### SPECIFICATION

Model		H-SL40	H-SL60	H-SL90
<b>SOLAR PV PANEL</b>	PV power	60 Wpx2	100 Wpx2	180 Wpx2
<b>WIND TURBINE</b>	Input voltage	24 V		
	Rate power	300 W(Max. 400W)		
	Voltage	25 Vac		
	Start up wind speed	2 m/s		
	Rate wind speed	12 m/s		
	Cut in wind speed	2.5 m/s		
	Survival wind speed	45 m/s		
	Rotor diameter	1.5 m		
	Quantity of blades	3 pcs		
	Weight(kg)	32 kg		
<b>SOLAR CHARGE CONTROLLER WITH DC LOAD TIMER</b>		SOLARCON SPC12/24-20A		
<b>CONTROL CABINET</b>		On the top, On the roof of pole(option)		
<b>POLE</b>	Pole details	Material : BS7668/JIS G3101 SS400 Welding(electronic arc welding): BS EN 1011 Galvalnizing: BS EN ISO 1461/ASTM A123		
	High(metre)	7	9	11
<b>BATTERY</b>	Type	Sealed lead acid maintenance free(VRLA), Deep cycle lead acid(LA)(option)		
	Capacity/qty.	12V100Ah x 2	12V120Ah x 2	12V200Ah
<b>OPERATE</b>	Work (hours)	12 hours		
	Stand by (days)	3 days		
<b>LED LAMP WITH DRIVER</b>	Power consumption	40 W	60 W	90 W
	Input voltage	24 Vdc		
	Input voltage range	20-28 Vdc		
	Initial luminous flux	1,350 lm	2,000 lm	3,000 lm
	Light source	CREE LED		
	Color temperature	5000K(daylight), 7000K(pure cool white)		
	System luminous eff.	At least 80 lm/W		
	Beam light angle	120° x 60°		
	Power efficiency	>90%		
	Power factor	>0.95		
	Color rendering index	Ra>70		
	THDi	Max 10%		
	Life time	>40,000 hours		
	Luminous at 6M pole	>15 lux		
	Structure	Aluminum alloy cover/ Waterproof/ Self-cooling		
	IP rating	IP65		
Temperature	0-40 °C			
Humidity	0 - 90%(non condensing)			
Dimension( mm)	495x215x70			
<b>SYSTEM TEMPERATURE</b>	-40 °C -70 °C			
<b>SYSTEM HUMIDITY</b>	0-95% (non condensing)			

\*Continuous products development is our commitment. In that manner, the above specifications may be changed without prior notice.

Chuphotic.BRO.SOLAR H-SL.12 Rev1.00/2013

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