

## Su-Kam Sunway - GR



### **AFFORDABLE SOLAR STREET LIGHTING**

SUNWAY-GR is an energy efficient and cost effective 22V AC LED street light solution.

### **KEY FEATURES**

- >140lumen/W LM80 certified LED with >50000hours of life
- Dimming option available on 80W and 100W system
- Pressure Die Cast Aluminum body for long led life
- IP65 compliant design
- High efficiency electronics and thermal management
- 1 year warranty

Parameter	Units	20WG	40WG	80WD	120WD
Operating Voltage	VAC	140-290	140-290	140-290	140-290
Power Factor	-	>0.95	>0.95	>0.95	>0.95
Efficiency	-	>85%	>85%	>85%	>85%
THD		<10%	<10%	<10%	<10%
System Power	W	20±5%	40±5%	80±5%	120±5%
Light output	lumen		3800	7600	11400
Dim level function				Yes	Yes
		<b>NO</b>	NO	(50% after 6hr)	50% after 6hr)
Short circuit protection		Yes	Yes	Yes	Yes
Overload protection		Yes	Yes	Yes	Yes
Open circuit protection		Yes	Yes	Yes	Yes
Surge protection (differential mode)		2KV	4KV	4KV	4KV
Surge protection (common mode)		2KV	4KV	4KV	4KV
Pipe Diameter	mm	65	65	65	65
Weight	Kg	1.3±0.2Kg	2.5±0.2Kg	8.5±0.5Kg	8.5±0.5Kg

## Su-Kam Sunway-LA



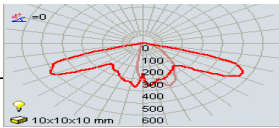
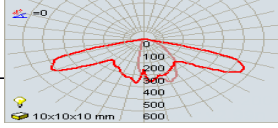
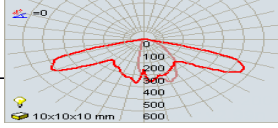
### AFFORDABLE SOLAR STREET LIGHTING

SUNWAY-LA is an energy efficient and cost effective solar street light solution.

### KEY FEATURES

- >140lumen/W LM80 certified LED with >50000hours of life
- Automatic ON/OFF with integrated sensor
- Dimming option available on 80W and 100W system
- External or inbuilt charge controller option
- Solar panel: minimum>10 years life
- Rechargeable Lead Acid Battery
- Pressure Die Cast Aluminium body for long led life
- IP65 compliant design
- High efficiency electronics and thermal management
- 1 year warranty

### SPECIFICATIONS

Parameter	Units	18W	24W	30W
		Typical	Typical	Typical
Solar Charging - full sunlight	hrs	8	8	8
Run time (min.)	hrs	12	12	12
Battery Capacity(autonomy 1day/2day/3days)	AH	60 / 75 / 100	75 / 100 /130	100 / 130 /175
Solar Panel Pm	Wp	60	75	100
Solar Panel Vm	V	17.4	17.4	17.4
Solar Panel Im	A	3.4	4.3	5.7
Light output (Avg)	Lumen	1750	2300	2900
LED Vf, If	V/mA	3/350	3/350	3/350
Lens directivity	Beam pattern			
Power Consumption (typ)	W			
Idle current	mA	<10	<10	<10
IP		65	65	65
Dimension (l×w×h)	mm	380X135X60	455X210X70	455X210X70
Weight (light only)	gms	1700	3200	3200

# Sunway - LA



## KEY FEATURES

- >140lumen/W LM80 certified LED with >50000hours of life
- Automatic ON/OFF with integrated sensor
- External or inbuilt charge controller option
- Solar panel: minimum>10 years life
- Rechargeable Lead Acid Battery
- Pressure Die Cast Aluminium body for long led life
- IP65 compliant design
- High efficiency electronics and thermal management
- 1 year warranty

## SPECIFICATIONS

Parameter	Units	60W	80W	100W
		Typical	Typical	Typical
Solar Charging – full sunlight	hrs	8	8	8
Run time (min.)	hrs	12	12	12
Battery Capacity(autonomy 0day/1day/2days)	V, AH	12, 130 / 200 / 260	24, 60 /120 /180	24, 80 /150 /220
Solar Panel Pm	Wp	200 / 12V	140 / 24V	180 / 24V
Solar Panel Vm	V	17.4	17.4	17.4
Solar Panel Im	A	12	8.4	10.8
Light output (Avg)	Lumen	5800	7800	9800
Lens directivity	Beam pattern			
Power Consumption	W			
Idle current	mA			
Charge Controller	V, A	12V, 20A	24V, 20A	24V, 20A
IP		65	65	65
Dimension (l×w×h)	mm	520X345X150	520X345X150	520X345X150
Weight (light only)	gms	7500	7500	7500

## Su-Kam Sunway – Solar Perimeter Lighting



### **INTELLIGENT SOLAR PERIMETER LIGHTING**

SUNWAY-LI is our most innovative, energy efficient and cost effective perimeter light solution. SUNWAY-LI has an inbuilt dimmer, battery and light sensor.

### **KEY FEATURES**

- 2 stage Intelligent dimming after 3 hours and 6 hours of operation
- Intelligent charging provides backup even on cloudy days
- Inbuilt battery allows lower cost of installation and avoids theft
- Automatic ON/OFF with integrated sensor
- Solar panel: >10 years life
- LM80 certified LED with >50000hours lifetime
- Rechargeable, NO maintenance lithium-ion batteries
- Pressure Die Cast Aluminum body for improving led life
- IP65 compliant design to protect from rain and dust
- High efficiency electronics and thermal management
- Aesthetic looks with reflector and lens
- 1 year warranty

Parameter	Units	LI1	LI2	LI3
<b>Solar Charging - full sunlight</b>	hrs	8	8	8
<b>Run time</b>	hrs	12	12	12
<b>Autonomy (on cloudy days)</b>	hrs	3	5	7
<b>Battery ( Li-Ion )</b>		3.7V,10.4Ah	14.8V, 5.2Ah	14.8V, 5.2Ah
<b>Battery upper/lower cutoff voltage (after stabilization)</b>	V	4.2/3	16.8/12	16.8/12
<b>Solar Panel Pm</b>	W	14	26	35
<b>Solar Panel Vm/lm</b>	V/A	5.8 /2.43	17.4/1.5	17.4/2
<b>Light output (at 4m height)</b>	Lux	12	20/10	30/18/10
<b>Light diming levels ( duration)</b>	hrs	NA	5hr / 8hr	3hr /3hr /6hr
<b>LED Lumen output (peak)</b>	Lumens/W	150	150	150
<b>Lens FWHM angle</b>	degree	108 X 48	108 X 48	108 X 48
<b>Power Consumption (Rated)</b>	W	4	9	15
<b>Power Consumption (typical)</b>	W	4	8	11
<b>Battery lifetime (typical)</b>	cycles	500 to 1000	500 to 1000	500 to 1000

<b>IP</b>		<b>65</b>	<b>65</b>	<b>65</b>
<b>Dimension (l×w×h)</b>	<b>mm</b>	<b>380X135X60</b>	<b>455X210X70</b>	<b>455X210X70</b>
<b>Weight (light only)</b>	<b>Kg</b>	<b>1.7</b>	<b>3.2</b>	<b>3.2</b>