

All in one LED Lamps

HES All in one lamps combining solar and LED technology. The best solution for areas that doesn't have electricity supply, remote places without good communications and electricity supply .

The system charges the battery during the day and illuminate at night. Due to the use of LED technology, is able to maximize all the solar energy and illuminate the environment with radiant and splendid light.



Features

- *10days more continuous lighting, even in rainy days
- *Upgraded intelligent controller
- *Solar panel: High efficiency silicon
- *Battery: LiFePO4 battery with more than 2000 recycle times

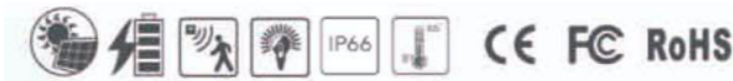


Applications

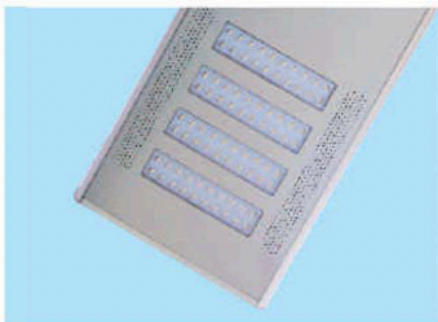
Garden, Residence, Courtyard
Cross walk, Roadway
Mine, Parking lot
Areas with no electrical supply



Certifications

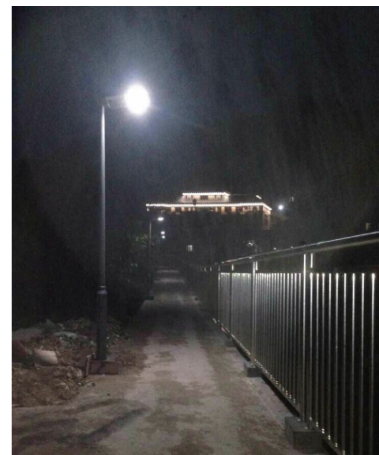


High lumen LED chip
High efficient silicon
Intelligent controller system



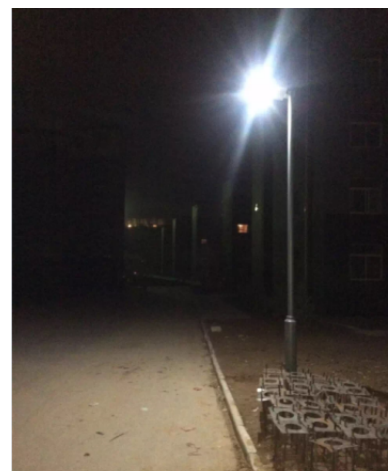
Specification

Solar street light (With Sensor)		Model: css-208	
Main Lamps material	Aluminium Alloy		
Solar panel	Max Power	18W	
Battery	Type	Solar energy Lithium battery 12V 6AH	
LED	Led chip brand	Epistar from Taiwan with high brightness	
	Lumen(LM)	800-880LM equal to 8W	
	CCT (k)	6000k-7000k	
	Life Time	50000 hours	
Lighting Viewing Angle	120°		
Working TEMP(°C)	-20~+60		
Charge time(by sun):	6-8hours (with enough strong shine)		
Discharge time	10-12 hours per night 5-7 rainy days		
Certificate	CE/ROHS/IP65		
Packing	Product size	505*295*70mm	
	Packing size	570*350*135cm	
	Net weight	4.6KG	
	Gross weight	5.4KG	
	Packing way	1pcs/ctns	
Packs Containers	20ft container	1040pcs	
	40gp container	2100pcs	
Installation height	2.5-3 meters	Suggestion distance	15-20meters



Specification

Solar street light (With Sensor)		Model: css-212	
Main Lamps material	Aluminium Alloy		
Solar panel	Max Power	20W	
Battery	Type	Solar energy Lithium battery 12V 6AH	
LED	Led chip brand	Epistar from Taiwan with high brightness	
	Lumen(LM)	1200-1320LM equal to 12W	
	CCT (k)	6000k-7000k	
	Life Time	50000 hours	
Lighting Viewing Angle	120°		
Working TEMP(°C)	-20~+60		
Charge time(by sun):	6-8hours (with enough strong shine)		
Discharge time	10-12 hours per night 5-7 rainy days		
Certificate	CE/ROHS/IP65		
Packing	Product size	505*295*70mm	
	Packing size	570*350*135cm	
	Net weight	4.6KG	
	Gross weight	5.4KG	
	Packing way	1pcs/ctns	
Packs Containers	20ft container	1040pcs	
	40gp container	2100pcs	
Installation height	3-4 meters	Suggestion distance	15-20meters



Specification

Solar street light (With Sensor)		Model: css-215	
Main Lamps material	Aluminium Alloy		
Solar panel	Max Power	30W	
Battery	Type	Lithium battery 12V10AH	
LED	Led chip brand	Epistar from Taiwan with high brightness	
	Lumen(LM)	1500-1650LM equal to 15W	
	CCT (k)	6000k-7000k	
	Life Time	50000 hours	
Lighting Viewing Angle	120°		
Working TEMP(°C)	-20~+60		
Charge time(by sun):	6-8hours (with enough strong shine)		
Discharge time	10-12 hours per night 5-7 rainy days		
Certificate	CE/ROHS/IP65		
Packing	Product size	780*295*44mm	
	Packing size	880*350*210mm	
	Net weight	7kg	
	Gross weight	8.2KG	
	Packing way	1pcs/ctns	
Packs Containers	20ft container	480pcs	
	40gp container	960pcs	
Installation height	4-5 meters	Suggestion distance	20-25meters



Specification

Solar street light (WithSensor)		Model: css-218	
Main Lamps material	Aluminium Alloy		
Solar panel	Max Power	40W	
Battery	Type	Solar energy Lithium battery 12V 15AH	
LED	Led chip brand	Bridgelux from USA with high brightness	
	Lumen(LM)	1800-1980LM equal to 18W	
	CCT (k)	6000k-7000k	
	Life Time	50000 hours	
Lighting Viewing Angle	120°		
Working TEMP(°C)	-20~+60		
Charge time(by sun):	6-8hours (with enough strong shine)		
Discharge time	10-12 hours per night 5-7 rainy days		
Certificate	CE/ROHS/IP65		
Packing	Product size	920*295*44mm	
	Packing size	940*350*220mm	
	Net weight	9.6kg	
	Gross weight	11.2KG	
	Packing way	1pcs/ctns	
Packs Containers	20ft container	400pcs	
	40gp container	800pcs	
Installation height	5 -6 meters	Suggestion distance	25-30meters



Specification

Solar street light (WithSensor)		Model: css-220	
Main Lamps material	Aluminium Alloy		
Solar panel	Max Power	50W	
Battery	Type	Solar energy Lithium battery 12V 18AH	
LED	Led chip brand	Bridgelux from USA with high brightness	
	Lumen(LM)	2000-2200LM equal to 20W	
	CCT (k)	6000k-7000k	
	Life Time	50000 hours	
Lighting Viewing Angle	120°		
Working TEMP(°C)	-20~+60		
Charge time(by sun):	6-8hours (with enough strong shine)		
Discharge time	10-12 hours per night 5-7 rainy days		
Certificate	CE/ROHS/IP65		
Packing	Product size	1136*295*44mm	
	Packing size	1190*360*220mm	
	Net weight	13kg	
	Gross weight	15.3KG	
	Packing way	1pcs/ctns	
Packs Containers	20ft container	300pcs	
	40gp container	600pcs	
Installation height	5-6 meters	Suggestion distance	25-30meters



Specification

Solar street light (WithSensor)		Model: css-225	
Main Lamps material	Aluminium Alloy		
Solar panel	Max Power	50W	
Battery	Type	Solar energy Lithium battery 12V 21AH	
LED	Led chip brand	Bridgelux from USA with high brightness	
	Lumen(LM)	2500-2750LM equal to 25W	
	CCT (k)	6000k-7000k	
	Life Time	50000 hours	
Lighting Viewing Angle	120°		
Working TEMP(°C)	-20~+60		
Charge time(by sun):	6-8hours (with enough strong shine)		
Discharge time	10-12 hours per night 5-7 rainy days		
Certificate	CE/ROHS/IP65		
Packing	Product size	1136*295*44mm	
	Packing size	1190*360*220mm	
	Net weight	13.3kg	
	Gross weight	15.6KG	
	Packing way	1pcs/ctns	
Packs Containers	20ft container	300pcs	
	40gp container	600pcs	
Installation height	5-6 meters	Suggestion distance	25-30meters



Specification

Solar street light (WithSensor)		Model: css-230	
Main Lamps material	Aluminium Alloy		
Solar panel	Max Power	60W	
Battery	Type	Solar energy Lithium battery 12V 21AH	
LED	Led chip brand	Bridgelux from USA with high brightness	
	Lumen(LM)	3000-3300LM equal to 30W	
	CCT (k)	6000k-7000k	
	Life Time	50000 hours	
Lighting Viewing Angle	120°		
Working TEMP(°C)	-20~+60		
Charge time(by sun):	6-8hours (with enough strong shine)		
Discharge time	10-12 hours per night 5-7 rainy days		
Certificate	CE/ROHS/IP65		
Packing	Product size	1136*295*44mm	
	Packing size	1190*360*220mm	
	Net weight	13.8kg	
	Gross weight	16KG	
	Packing way	1pcs/ctns	
Packs Containers	20ft container	300pcs	
	40gp container	600pcs	
Installation height	6-7 meters	Suggestion distance	25-30meters

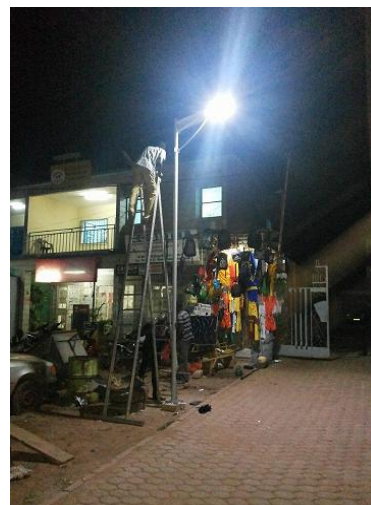


Packaging accessories picture



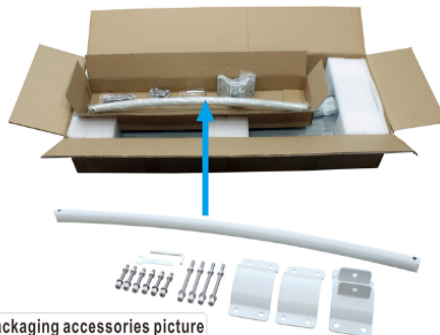
Specification

Solar street light (WithSensor)		Model: css-240	
Main Lamps material	Aluminium Alloy		
Solar panel	Max Power	60W	
Battery	Type	Solar energy Lithium battery 12V 24AH	
LED	Led chip brand	Bridgelux from USA with high brightness	
	Lumen(LM)	4000-4400LM equal to 40W	
	CCT (k)	6000k-7000k	
	Life Time	50000 hours	
Lighting Viewing Angle	120°		
Working TEMP(°C)	-20~+60		
Charge time(by sun):	6-8hours (with enough strong shine)		
Discharge time	10-12 hours per night 5-7 rainy days		
Certificate	CE/ROHS/IP65		
Packing	Product size	1136*295*44mm	
	Packing size	1190*360*220mm	
	Net weight	14.3kg	
	Gross weight	16.6KG	
	Packing way	1pcs/ctns	
Packs Containers	20ft container	300pcs	
	40gp container	600pcs	
Installation height	6-7meters	Suggestion distance	25-30meters



Specification

Solar street light (Without Sensor)		Model: css-250	
Main Lamps material	Aluminium Alloy		
Solar panel	Max Power	80W	
Battery	Type	Solar energy Lithium battery 12V 36AH	
LED	Led chip brand	Bridgelux from USA with high brightness	
	Lumen(LM)	5000-5500LM equal to 50W	
	CCT (k)	6000k-7000k	
	Life Time	50000 hours	
Lighting Viewing Angle	150° × 70°		
Working TEMP(°C)	-20~+60		
Charge time(by sun):	6-8hours (with enough strong shine)		
Discharge time	10-12 hours per night 5-7 rainy days		
Certificate	CE/ROHS/IP65		
Packing	Product size	1136*420*44mm	
	Packing size	1190*490*220mm	
	Net weight	19.5kg	
	Gross weight	21KG	
	Packing way	1pcs/ctns	
Packs Containers	20ft container	230pcs	
	40gp container	450pcs	
Installation height	6-7 meters	Suggestion distance	25-30meters



Specification

Solar street light (Without Sensor)		Model: css-260	
Main Lamps material	Aluminium Alloy		
Solar panel	Max Power	90W	
Battery	Type	Solar energy Lithium battery 12V 42AH	
LED	Led chip brand	Bridgelux from USA with high brightness	
	Lumen(LM)	6000-6600LM equal to 60W	
	CCT (k)	6000k-7000k	
	Life Time	50000 hours	
Lighting Viewing Angle	150° × 70°		
Working TEMP(°C)	-20~+60		
Charge time(by sun):	6-8hours (with enough strong shine)		
Discharge time	10-12 hours per night 5-7 rainy days		
Certificate	CE/ROHS/IP65		
Packing	Product size	1136*420*44mm	
	Packing size	1190*490*220mm	
	Net weight	19.5kg	
	Gross weight	21KG	
	Packing way	1pcs/ctns	
Packs Containers	20ft container	230pcs	
	40gp container	450pcs	
Installation height	6-7 meters	Suggestion distance	25-30meters



Specification

Solar street light (Without Sensor)		Model: css-280	
Main Lamps material	Aluminium Alloy		
Solar panel	Max Power	33V110W	
Battery	Type	Solar energy Lithium battery 24V 24AH	
LED	Led chip brand	Bridgelux from USA with high brightness	
	Lumen(LM)	8000-8800LM equal to 80W	
	CCT (k)	6000k-7000k	
	Life Time	50000 hours	
Lighting Viewing Angle	150° × 70°		
Working TEMP(°C)	-20~+60		
Charge time(by sun):	6-8hours (with enough strong shine)		
Discharge time	10-12 hours per night 5-7 rainy days		
Certificate	CE/ROHS/IP65		
Packing	Product size	1469*420*398mm	
	Packing size	Box 1 : 1530*520*130mm (lamp body)	
		Box 2 : 685*285*410mm(Supportor+Accessories)	
	Net weight	28.3kg	
	Gross weight	33KG	
	Q'ty/ctn	1sets/2carton	
Packs Containers	20ft container	145pcs	
	40gp container	290pcs	
Installation height	8-9 meters	Suggestion distance	25-30meters



Specification

Solar street light (Without Sensor)		Model: css-2100	
Main Lamps material	Aluminium Alloy		
Solar panel	Max Power	36v 160W	
Battery	Type	Solar energy Lithium battery 25.6V 27AH	
LED	Led chip brand	Bridgelux from USA with high brightness	
	Lumen(LM)	10000-11000LM equal to 100W	
	CCT (k)	6000k-7000k	
	Life Time	50000 hours	
Lighting Viewing Angle	150° × 70°		
Working TEMP(°C)	-20~+60		
Charge time(by sun):	6-8hours (with enough strong shine)		
Discharge time	10-12 hours per night 5-7 rainy days		
Certificate	CE/ROHS/IP65		
Packing	Product size	1470*673*398mm	
	Packing size	Box 1 : 1570*740*120mm (lamp body) Box 2 : 685*455*375mm(Supportor+Accessories)	
	Net weight	45kg	
	Gross weight	49KG	
	Packing way	1sets/2carton	
Packs Containers	20ft container	108pcs	
	40gp container	218pcs	
Installation height	9-10meters	Suggestion distance	30meters



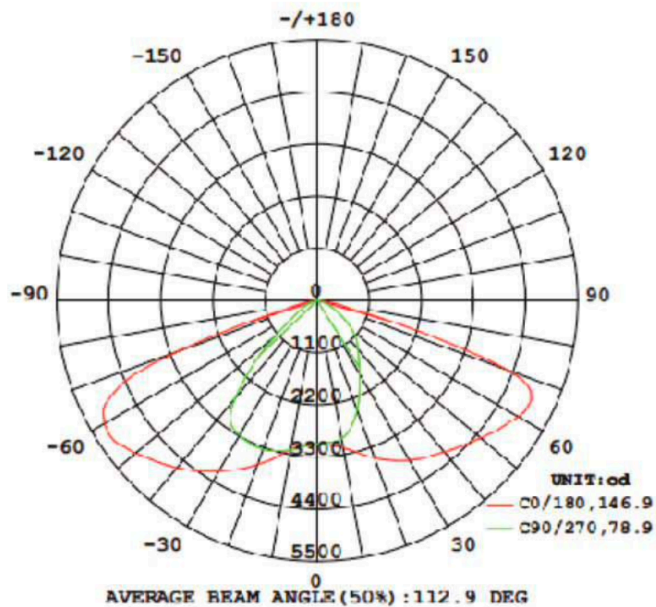
Specification

Solar street light (Without Sensor)		Model: css-2120	
Main Lamps material	Aluminium Alloy		
Solar panel	Max Power	36v 170W	
Battery	Type	Solar energy Lithium battery 25.6V 33AH	
LED	Led chip brand	Bridgelux from USA with high brightness	
	Lumen(LM)	12000-13200LM equal to 120W	
	CCT (k)	6000k-7000k	
	Life Time	50000 hours	
Lighting Viewing Angle	150° × 70°		
Working TEMP(°C)	-20~+60		
Charge time(by sun):	6-8hours (with enough strong shine)		
Discharge time	10-12 hours per night 5-7 rainy days		
Certificate	CE/ROHS/IP65		
Packing	Product size	1470*673*398mm	
	Packing size	Box 1 : 1570*740*120mm (lamp body) Box 2 : 685*455*375mm(Supportor+Accessories)	
	Net weight	47kg	
	Gross weight	51KG	
	Packing way	1sets/2carton	
Packs Containers	20ft container	108pcs	
	40gp container	218pcs	
Installation height	10-12meters	Suggestion distance	30-35meters



Light distribution curves

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



CSS260 6M POLE

