



The design of solar street light / courtyard light absorbs energy from the sun, and combines it with a high efficiency solar panel, LEDs, and Lithium battery. This adoptive advantage technology, such as a micro-controller, human infrared sensor and so on combines with an integrated design to achieve multiple features: including low power consumption; high brightness; long lifespan and it is virtually maintenance free. Additionally, it has a waterproof function coupled with great thermal dissipation. The intelligent controller can be reprogrammed from the ground with an infrared remote before and after install. It is one of our great innovative patented products.

Key features

- Patent pending integrated design
- Solar powered outdoor lighting
- Lithium battery prolongs life and protects environment
- Light output can be adjustable by built-in infrared sensor
- Modular compact design, easy assembly and maintenance
- Rust-proof, dustproof and waterproof
- Two year warranty

Uses and Applications Guide

Streets lighting	
Parking lots	
Boardwalks	
Farms	
Public parks	
Private gardens	
Access roads	
Walking paths	
Bus stations	

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	ML-20	ML-40	ML-60	ML-80
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Solar Panel	18V 12W (Monocrystalline silicon cell)	18V 18W (Monocrystalline silicon cell)	18V 20W (Monocrystalline silicon cell)	18V 30W (Monocrystalline silicon cell)
LED Lamp Power	Birdgelux 6w	Birdgelux 8w	Birdgelux 10w	Birdgelux 15w
Battery	LiFePO4 Battery 12.8V 4 Ah	LiFePO4 Battery 12.8V 6Ah	LiFePO4 Battery 12.8V 8Ah	LiFePO4 Battery 12.8V 10Ah
Install height	6.5-10FT	10ft-13FT	10ft-13FT	13-16.5FT
Lumen	760LM	960LM	1200LM	1800LM
Charge time	6 Hours	6 Hours	6 Hours	6 Hours
Discharge time Full Power Saving Model	10 Hours 4-6 rainy days	10 Hours 4-6 rainy days	10 Hours 4-6 rainy days	10 Hours 4-6 rainy days
Product/ Packing Size	12.83" x 9.49" x 2.36" 15.55" x 13.58" x 4.72"	19.49" x 13.98" x 3.15" 22.44" x 15.35" x 5.91"	19.49" x 13.98" x 3.15" 22.44" x 15.35" x 5.91"	29.13" x 12.01" x 5.51" 31.89" x 15.35" x 8.66"
Net/Gross Weight:	5 lb 8.18 oz 6 lb 9.82 oz	12 lb 2.0oz 13 lb 14.23 oz	12 lb 2.0oz 13 lb 14.23 oz	17 lb 3.14 oz 20 lb 15.10 oz

	ML-100	ML-120	ML-140	ML-160
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Solar Panel	18V 35W (Monocrystalline silicon cell)	18V 40W (Monocrystalline silicon cell)	18V 45W (Monocrystalline silicon cell)	18V 60W (Monocrystalline silicon cell)
LED Lamp Power	Birdgelux 18w	Birdgelux 20w	Birdgelux 25w	Birdgelux 30w
Battery	LiFePO4 Battery 12.8V 15Ah	LiFePO4 Battery 12.8V 18Ah	LiFePO4 Battery 12.8V 25Ah	LiFePO4 Battery 12.8V 21Ah
Install height	16.5FT-20FT	16.5FT-20FT	20-23FT	20-23FT
Lumen	2160LM	2400LM	3000LM	3600LM
Charge time	6 Hours	6 Hours	6 Hours	6 Hours
Discharge time Full Power Saving Model	10 Hours 4-6 rainy days	10 Hours 4-6 rainy days	10 Hours 4-6 rainy days	10 Hours 4-6 rainy days
Product/ Packing Size	29.13" x 12.01" x 5.51" 31.89" x 15.35" x 8.66"	37.01" x 12.01" x 5.51" 39.37" x 15.35" x 8.66"	37.01" x 12.01" x 5.51" 39.37" x 15.35" x 8.66"	44.09" x 12.01" x 5.51" 46.46" x 15.35" x 8.66"
Net/Gross Weight:	17 lb 3.14 oz 20 lb 15.10 oz	23 lb 2.37 oz 26 lb 7.29 oz	23 lb 2.37 oz 26 lb 7.29 oz	41 lb 7.2oz 36 lb 6.0 oz



Technical Specifications

	ML-180	ML-200	ML-220
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Solar Panel	18V 60W (Monocrystalline silicon cell)	18V 80W (Monocrystalline silicon cell)	18V 90W (Monocrystalline silicon cell)
LED Lamp Power	Birdgelux 40w	Birdgelux 50w	Birdgelux 60w
Battery	LiFePO4 Battery 12.8V 24Ah	LiFePO4 Battery 12.8V 36Ah	LiFePO4 Battery 12.8V 42Ah
Install height	20-23FT	26-33FT	26-33FT
Lumen	4800LM	6000LM	7200LM
Charge time	6 Hours	6 Hours	6 Hours
Discharge time Full Power Saving Model	10 Hours 4-6 rainy days	10 Hours 4-6 rainy days	10 Hours 4-6 rainy days
Product/Packing Size	44.09" x 12.01" x 5.51" 46.46" x 15.35" x 8.66"	44.09" x 17.32" x 5.51" 46.46"x 20.87" x 8.66"	44.09" x 17.32" x 5.51" 46.46" x 20.87" x 8.66"
Net/Gross Weight:	41 lb 7.2oz 36 lb6.0 oz	41 lb 14.2 oz 46 lb 4.75 oz	41 lb 14.2 oz 46 lb 4.75 oz

	ML-240
Material	Aluminum Alloy
Solar Panel	18V 110W (Monocrystalline silicon cell)
LED Lamp Power	Birdgelux 80w
Battery	LiFePO4 Battery 12.8V 24Ah
Install height	26-33FT
Lumen	9600LM
Charge time	6 Hours
Discharge time Full Power Saving Model	10 Hours 4-6 rainy days
Product/Packing Size	52.3" x 21.2" x 5.90" 53.5x 23." x 8.66"
Net/Gross Weight:	41 lb 7.2oz 36 lb6.0 oz