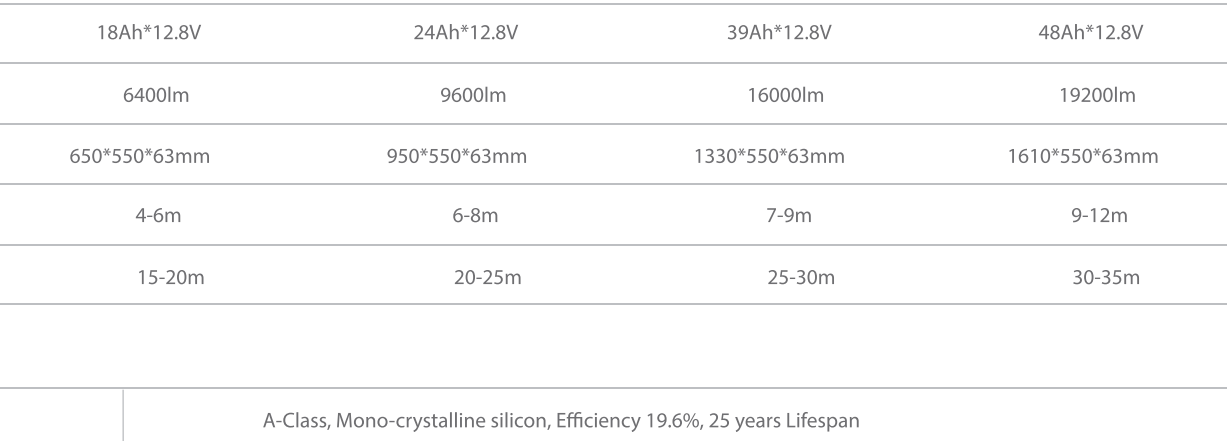
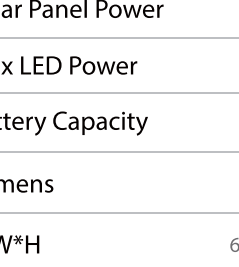




**Maxima**  
IN THE BEAUTIFUL PALM ISLAND

**Specification**



Parameter	ML-MAXIMA-40	ML-MAXIMA-64	ML-MAXIMA-100	ML-MAXIMA-120
Solar Panel Power	60W	80W	140W	160W
Max LED Power	40W	64W	100W	120W
Battery Capacity	18Ah*12.8V	24Ah*12.8V	39Ah*12.8V	48Ah*12.8V
Lumens	6400lm	9600lm	16000lm	19200lm
L*W*H	650*550*63mm	950*550*63mm	1330*550*63mm	1610*550*63mm
Mounting Height	4-6m	6-8m	7-9m	9-12m
Mounting Space	15-20m	20-25m	25-30m	30-35m

General	
Solar Panel	A-Class, Mono-crystalline silicon, Efficiency 19.6%, 25 years Lifespan
LED Chip	CREE from USA with high brightness, 50 000 hours Lifespan
Battery	Lithium battery, 8-10 years Lifespan
Viewing Angle	80°x150°
Charge Time	4-6 hours (in strong enough sunshine)
Back up Raining days	3-5 days
Working Temperature	-20 C ~+70 C
Colour Temperature	5000k
Lamps Material	All Die-Casting Aluminium Alloy
Certificate	CE / ROHS / IP65
warranty period	3 years

**Advantages (MAXIMA VS Traditional ALL IN ONE)**

- Solar panel could rise up and fold, which is better for solar panel face the sun direction in both side of road.

- Good heat dissipation: Separated solar panels can shade lamp body, they will not conduct heat to each other, makes the lamp body cool, enlarge lifespan and efficiency of battery and LED source.

- Easier installation-no power required, no cables required, 2 mounting step.

- Micro-computer controlled-combine light control system and time control system perfectly, ensure whole system more energy-efficient.
- Extreme light efficiency reach 180lm/w, at same illumination, lower watt available.
- Low cost-Compared with traditional solar led lights, much lower cost, easy to transport No Hg, Pb or other hazardous materials, no radiation, human safety.

**Advantages -Material**

**LED Chip**

Light Efficiency: 160lm/w for complete Lamp, 210lm/s for single LED Chip  
 Brightness decay in 5 years: More than 80% Brightness Remained  
 CRI: >70  
 Viewing Angle: 150° \* 80° (use large viewing angle optical lens)

Light Efficiency: 110lm/w for entire Lamp, 160lm/s for single LED Chip  
 Brightness Decay in 5 years: Only 20% brightness remained  
 CRI: <70  
 Viewing Angle: 120° \* 60° (use common optical lens)

**Solar Panel**

Conversion efficiency: >19.6%  
 PET Board, Double-sided anti-corrosion  
 Power Decay in 10 years: 90% Power rate remained  
 High strength Tempered glass, Anti-icing, Anti-Sandstorm

Conversion efficiency: 16-17%  
 Corrosive, easy crack  
 Power Decay in 10 years: 20% Power rate remained  
 Not Strong

**Hardware**

High quality All Die-cast Aluminum Alloy  
 strong, corrosion resistance in seaside and desert

Normal Iron, easy corrosion and break

**Battery**

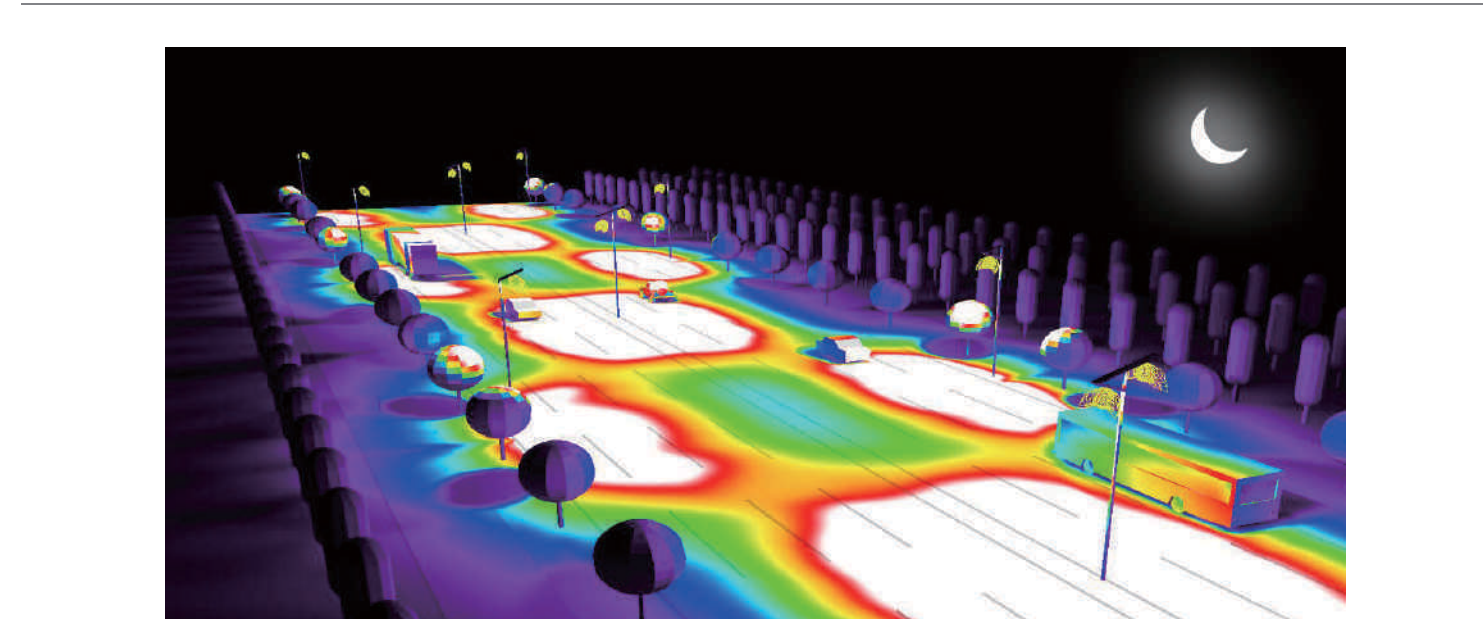
Type	Charge and Discharge	Price	Advantage and Disadvantage
LiFePO4 Lithium	2000 times	High	Stable, High Capacity
Ternary Lithium (Li-ion)	800 times	1/2 of LiFePO4	May exposure in high temperature
Lead-Acid	500 times	1/3 of LiFePO4	Stable, but Heavy, low conversion

High capacity  
 No pollution and stable  
 5-8 year s lifetime, ≥20 00 times charge & discharge  
 High temperature resistance

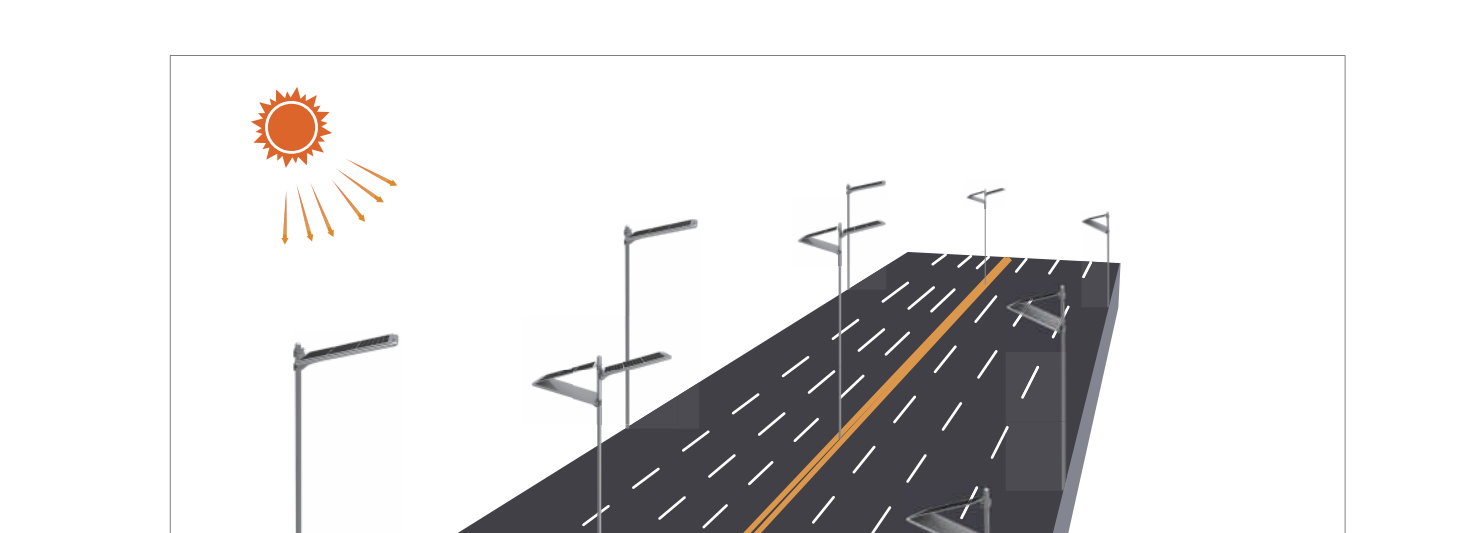
patent design  
 Aluminum, solid and firm  
 Zinc plated, anti-rust corrosion  
 Improve the thermal dispersion

patent design  
 Improved thermal dispersion efficiency with 20%  
 patent design

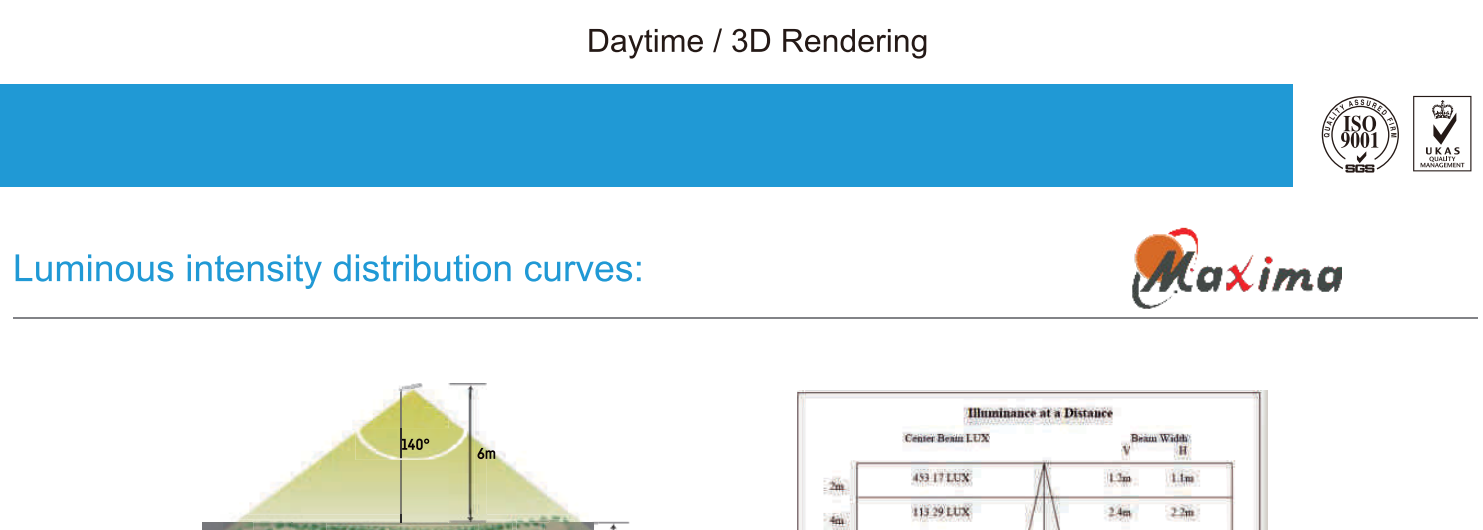
**3D Explosive Photo**



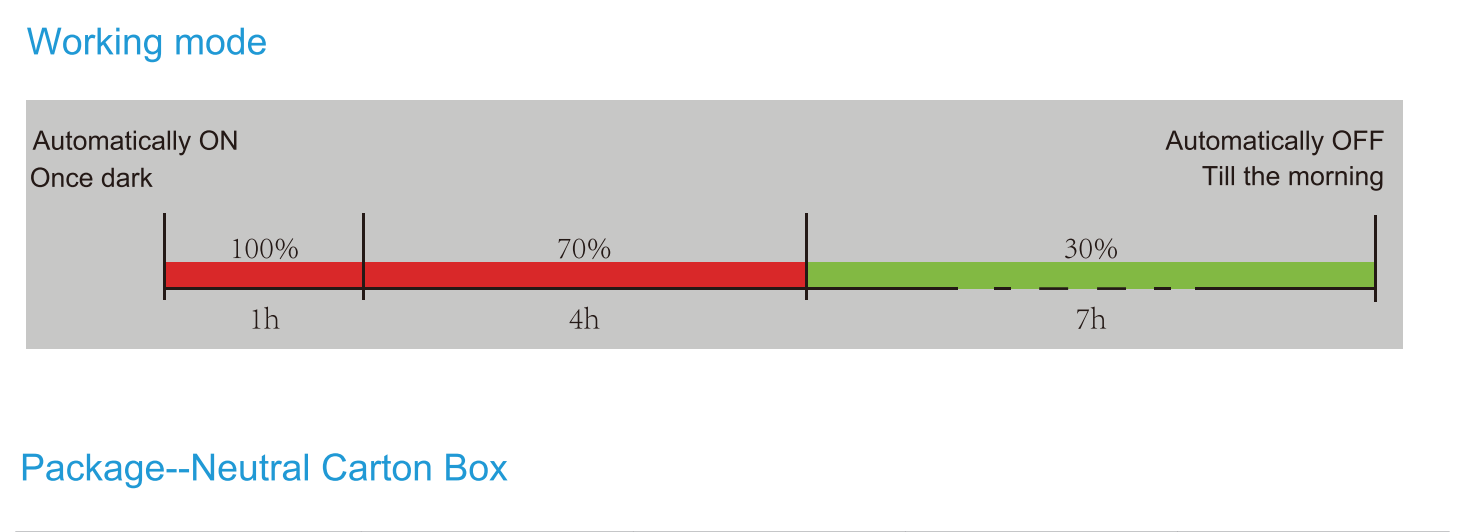
**3D Photometric Simulation**



**Luminous intensity distribution curves:**



**Working mode**



**Package--Neutral Carton Box**

	ML-PALM-40	ML-PALM-64	ML-PALM-100	ML-PALM-120
Size (cm)	72x61x25	102x61x25	140x61x25	168x61x25
CBM /Carton	0-1098	0-15555	0-2135	0-2562
Set/20GP	220	150	100	90
Set/40GP	480	340	240	200
Set/40HQ	610	420	310	250

**PACKAGING DIAGRAM**

