



# ENER-J<sup>®</sup>

Smart Home Living

## Solar Powered LED Floodlights



LiFePO4  
Battery (3.2V)



IP65



Solar  
Panel



2 YEARS  
WARRANTY

SKU: E190X



⚡ 50W

SKU: E191X



⚡ 100W

SKU: E192X



⚡ 200W

SKU: E193X



⚡ 300W

### Description

High-performance solar flood light with advanced LED technology, delivering bright illumination and energy-efficient operation. Equipped with a durable IP65 waterproof design, long-lasting LiFePO4 battery, and automatic day/night sensor for hassle-free lighting. Ideal for outdoor security and wide-area lighting applications.

### Features

- Solar powered floodlight, no AC electricity required
- High brightness LED output with wide lighting coverage
- High efficiency solar panel for fast charging
- Long life LiFePO4 Battery (3.2V) with 1200+ cycle life
- Automatic light sensor control (charges during the day, lights ON at night)
- Remote control operation for easy mode selection
- Multiple lighting modes: AUTO / 2H / 4H / 6H
- Brightness control options (High / Low)

- Long working time: up to 12–14 hours after full charge
- Waterproof and dustproof design IP65
- Durable ABS body, suitable for outdoor use
- Recommended installation height: 3m to 6m
- Suitable for all weather conditions (summer and winter).

## Technical Specifications

SKU	E190X	E191X	E192X	E193X
Power	50W	100W	200W	300W
Lumen(±10%)	550LM	1100LM	1600LM	2700LM
LED light source	2835/25PCS	2835/49PCS	2835/90PCS	3030/132PCS
Battery capacity	4AH	8AH	12AH	20AH
Solar panel wattage (W)	6W/5V	10W/5V	15W/5V	20W/5V
Lamp size(mm)	150*161*42mm	198*193*48mm	248.5*233*48mm	283*260*48mm
Solar panel size(mm)	210*200*15mm	205*300*15mm	390*230*15mm	390*300*15mm

Battery type	LiFePO4 Battery (3.2V)
Battery recycle times	>1200 times (Remaining 80% of the nominal capacity)
Protect voltage	2.1V
Installation height	3-6m
Light control	Charges during the day (>10 lux) and turns OFF; discharges at night (<5-10 lux) and turns ON.
Charge time	4-6 hours under normal sunlight (>40,000 lux)
Working time	>12 hours (full charge, AUTO mode)
IP grade	IP65
Material	ABS (Black)
Temperature	Charge above 5°C, discharge above -10°C
Working humidity	95% RH

## Remote Control Features



WIRELESS CONTROL



ONE-TOUCH ON/OFF



SMART AUTO MODE



2H / 4H / 6H TIMER



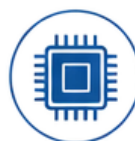
HIGH BRIGHTNESS MODE



ENERGY SAVING MODE



LONG RANGE 5-10M



MEMORY FUNCTION



EASY OPERATION

### BUTTON FUNCTIONS



ON

TURN LIGHT ON



OFF

TURN LIGHT OFF

(PRESS & HOLD FOR FULL SHUTDOWN)



HIGH BRIGHTNESS MODE

165% BRIGHTNESS FOR 3 HOURS, THEN AUTO OFF



ENERGY SAVING MODE

35% BRIGHTNESS FOR 12-14 HOURS, THEN AUTO OFF



2H

TIMER MODE - 2 HOURS

165% BRIGHTNESS, THEN AUTO OFF



4H

TIMER MODE - 4 HOURS

100% TO LOW BRIGHTNESS, THEN AUTO OFF



6H

TIMER MODE - 6 HOURS

100% TO LOW BRIGHTNESS, THEN AUTO OFF



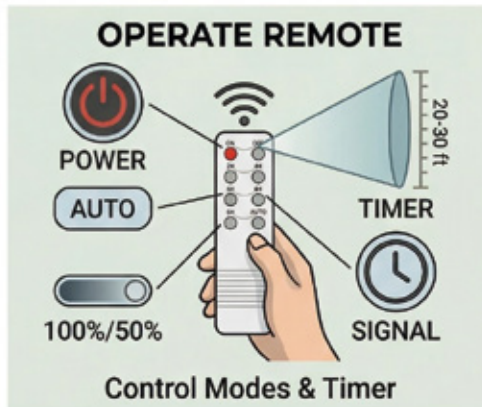
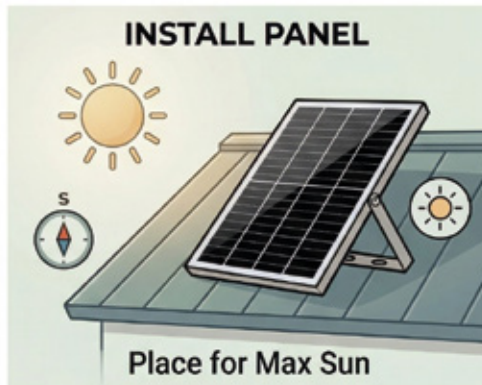
AUTO

AUTO MODE

DUSK TO DAWN, AUTO OFF AFTER 12-14 HOURS



LAST MODE WILL BE REMEMBERED EVEN AFTER POWER OFF



💰 Zero Cost
🔧 Easy Install
☀️ Solar Powered
🛡️ 2 Year Warranty

**Box Contents (All Models)**

- 1 × Solar Flood Light
- 1 × Solar Panel
- 1 × Remote Control
- 1 × Mounting Bracket Set
- 1 × Screw & Accessories Kit
- 1 × User Manual

**Stuck? Confused?**

Contact our Technical Support team on:  
 T: +44 (0)1291 446 105 E: support@ener-j.co.uk  
 Lines are open Mon - Fri (8am to 4pm)