

The Wi-Fi Camera Kit can be powered via a solar power system.

Based on our system testing we would recommend

- 120W / 50Ah 12v LiFeP04 solar system – DI-SP-LI3

Device	Calculation Date	16/11/2022
Wi-Fi Camera		
Power Consumption	0.33 A	12 Volts
Solar Power System		
Dyna-mo System	DI-SP-LI3 -	120W Solar System - LiFeP04 Battery
Battery		50 Ah 12 Volts
Solar Panel		120 Watts
Solar Power Controller	Renogy MPPT	95% Efficiency
Battery Life		6.3 Days
Peak Sun Hours Charge		1.0 Hours
Daily Battery Consumption		15.84%
Annual UK Performance		
Anticipated Power Loss*	NONE	Days < 24hrs Power 0
Anticipated Power Loss @ 83%	NONE	Days < 24hrs Power 0
*based on the average UK peak sun hours per day		
Lowest Battery Charge		84.66%
Lowest Battery Charge @ 83%		3.79%

Average Peak Sun Hours UK		83%
January	1.39 Hrs	1.15 Hrs
February	1.85 Hrs	1.54 Hrs
March	2.57 Hrs	2.13 Hrs
April	4.08 Hrs	3.39 Hrs
May	4.80 Hrs	3.98 Hrs
June	4.59 Hrs	3.81 Hrs
July	4.84 Hrs	4.02 Hrs
August	4.65 Hrs	3.86 Hrs
September	3.60 Hrs	2.99 Hrs
October	2.58 Hrs	2.14 Hrs
November	1.57 Hrs	1.30 Hrs
December	0.94 Hrs	0.78 Hrs

All calculations are based on a unrestricted skyline with the solar panel installed at a 45° facing due South, unless adjusted peak sunlight hours were manually entered.
 This document is intended for guidance purposes only.
 Peak sun hours cannot be guaranteed and may vary dependent on geographical location and local weather conditions.

DI-SP-LI3 – 120W/50Ah LiFeP04 Solar Power System.

Enclosure dimensions:	400 x 400 x 200 mm
Enclosure weight:	16kg
Solar panel dimensions:	1005 x 670 x 35 mm

Installation Accessories

DV-WC-PM	Wi-Fi Camera Mount Kit
DI-GC-PC	76mm Pole Clamp Kit
DI-SP-EM	120W Solar Panel Mount
DI-PC-MK	400mm Cabinet Mounting Kit

Wi-Fi Camera Kit with Wi-Fi Camera Mount Kit & 76mm Pole clamp kit



V/50Ah Solar System with 80W solar panel mount, cabinet mounting kit and 76mm pole clamp kit.