









www.jpshire.co.uk
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1 Year Fuel Efficiency Comparison

	Fuel Consumption @ £1.80 per litre	CO2 Emissions Diesel	Power Source	Noise Levels	System Description
Generic Diesel Welfare Cabin. 6kVA Generator. Running while in use.	5,590 L per year / £10,062 OFFICE FULLY USED £38.70 Average daily cost £38.70 Summer daily cost £38.70 Winter daily cost	14,981 KG CO2	6 kVA Diesel	58Db @ 7m distance with generator doors open	Basic system, Generator needed to run all electrical items.
Autosmart[®] 16+  	2,097 L per year / £3,774.60 OFFICE FULLY USED £14.52 Average daily cost £11.25 Summer daily cost £17.77 Winter daily cost	5,621 KG CO2	Hybrid 3.5 kVA HVO ST-V Diesel + Batteries + Solar Panels	58Db @ 7m distance with generator doors open	Fully automatic system. Just switch on and use. Generator use @ minimum. HVO Compatible ST-V Solar Panels speed up battery charging.
Autosmart[®] 20  	2,097 L per year / £3,774.60 OFFICE FULLY USED £14.52 Average daily cost £11.25 Summer daily cost £17.77 Winter daily cost	5,621 KG CO2	Hybrid 3.5 kVA HVO ST-V Diesel + Batteries + Solar Panels	58Db @ 7m distance with generator doors open	Solar Panels speed up battery charging.
Autosmart[®] 22_g  	2,516 L per year / £4,528.80 OFFICE FULLY USED £17.42 Average daily cost £13.50 Summer daily cost £21.31 Winter daily cost	6,745 KG CO2	Hybrid 6 kVA HVO ST-V Diesel + Batteries + Solar Panels	58Db @ 7m distance with generator doors open	Heat / Light & hot water with no generator needed.

(i) Based on 10 hours per day, 130 days in winter mode and 130 days in summer mode. Each day is a typical usage day.

(ii) £1.80 per litre diesel

(iii) Includes 500w office output

(iv) Solar panels achieve maximum output in direct sunlight, but they work in normal daylight and cloudy weather too. The amount of power a solar panel or charging kit generates in cloudy weather will be lower compared to direct sunlight. Also the positioning of the cabin will affect the solar charging of the batteries i.e. under trees, etc.

(v) This assessment doesn't take in consideration the usage of the hydraulics

(vii) This assessment is guidance ONLY

AJC EasyCabin

The Future of Site Welfare