













# HYBRID POWER VS GENERATOR ONLY POWER

For more information please contact the energy team

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	Generator only 	Hybrid option 	Generator only 	Hybrid option 	Generator only 	Hybrid option 	Generator only 	Hybrid option 	Generator only 	Hybrid option 	150 KVA+
Equipment size	20KVA	20KVA & 30/60 BSU	30KVA	30KVA & 30/60 BSU	40KVA	40KVA & 45/90 BSU	60KVA	60KVA & BSU	100KVA	100KVA & BSU	
Hours of power provided over 7 day period	168 hrs	168 hrs	168 hrs	168 hrs	168 hrs	168 hrs	168 hrs	168 hrs	168 hrs	168 hrs	
Generator run time over 7 day period (hrs)	168 hrs	60 hrs	168 hrs	70 hrs	168 hrs	84 hrs	168 hrs	90 hrs	168 hrs	99 hrs	
BSU run time over 7 day period (hrs)	0 hrs	108 hrs	0 hrs	93 hrs	0 hrs	84 hrs	0 hrs	87 hrs	0 hrs	70 hrs	
Hours of silent power over 7 day period	0 hrs	108 hrs	0 hrs	93 hrs	0 hrs	84 hrs	0 hrs	87 hrs	0 hrs	70 hrs	
Reduction in generator runtime %	0	64%	0	58%	0	50%	0	46%	0	41%	
<b>AVG FUEL CONSUMPTION PER WEEK (FIGURES BASED A 24/7 POWER REQUIREMENT)</b>											
25% Load	403 Li	144 Li	571 Li	238 Li	722 Li	361 Li	1075 Li	576 Li	1411 Li	832 Li	
50% Load	572 Li	204 Li	806 Li	336 Li	1008 Li	504 Li	1512 Li	810 Li	2200 Li	1297 Li	
<b>AVG FUEL COST PER WEEK (BASED ON £1.50 P/LI)</b>											
25% Load	£605	£216	£857	£357	£1,084	£542	£1,613	£864	£2,117	£1,247	
50% Load	£857	£306	£1,210	£504	£1,512	£756	£2,268	£1,215	£3,301	£1945	
<b>AVG FUEL COST SAVINGS PER WEEK</b>											
25% Load		£389		£500		£542		£750		£869	
50% Load		£551		£706		£756		£1,053		£1336	
<b>AVG KG CARBON PRODUCED PER WEEK (BASED ON USING DIESEL FUEL)</b>											
25% Load	1064kg	380kg	1508kg	628kg	1907kg	954kg	2839kg	1521kg	3726kg	2195kg	
50% Load	1508kg	539kg	213kg	887kg	2661kg	1330kg	3991kg	2138kg	5810kg	3424kg	
<b>AVG KG CARBON SAVINGS PER WEEK (BASED ON USING DIESEL FUEL)</b>											
		684kg		897kg		954kg		1318kg		1530kg	
		969kg		1241kg		1331kg		1853kg		2387kg	
<b>AVERAGE NET COST SAVINGS PER WEEK (AFTER COST TO HIRE BSU)</b>											
		£170		£303		£274		£501		£713	

We have multiple solutions to maximise energy efficiency, save fuel, reduce emissions and decarbonise larger sites and generators, please speak to a member of our team for expert advise.

These are average savings you can expect when a battery (energy) storage unit is paired with an optimum sized generator on sites that require power 24/7 and have variable loads (highs and lows). Our experts will work with you to ensure you have the right sized equipment and can provide data to track your savings.

For more information on working more sustainably visit - [Greener Solutions](#)