



GreenPowerHire

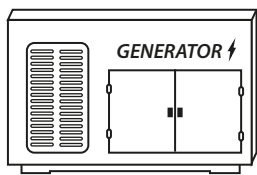
200kVA Day/Night Twin Battery Hybrid Power Solution

Below is an example of a hybrid power solution combining a 200kVa diesel generator with 2 of our 45kVa 75kWh battery storage systems. In this example we are using the generator to power the site between 6am - 7pm Monday - Friday, 8am - 3pm on Saturday and 9am - 2pm on Sunday. The battery takes over from the generator outside of these times delivering a 54.2% reduction in generator run time but maintaining a reliable, constant and silent power supply to the essential site loads.

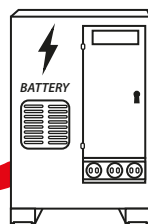
As you can see the generator has 2 outputs, each feeding an independent battery system. Either of the batteries can control the generator, starting and stopping it as required.

Both the batteries are connected to the essential site cabins. Overnight we use the battery to keep a constant power feed to the CCTV and security hut but we intermittently turn power to the cabins and drying rooms on and off, keeping them warm but minimising draw on the battery system. This automated control allows a much smaller battery to be used and still deliver a large reduction in generator run time.

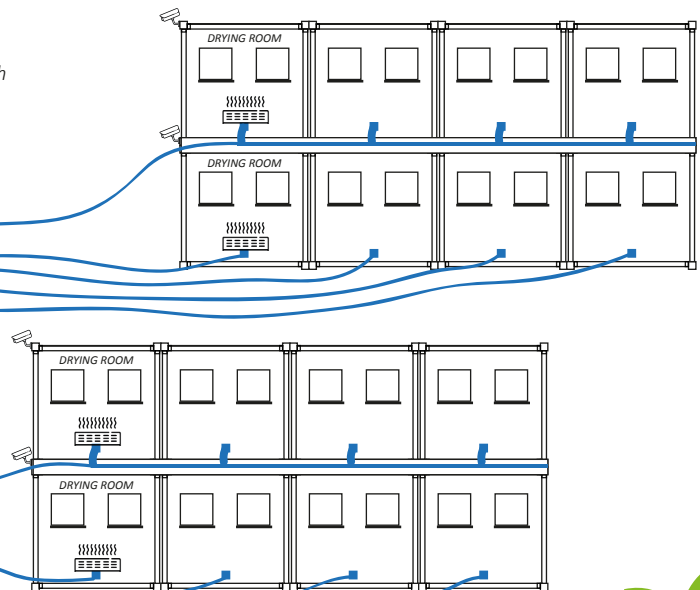
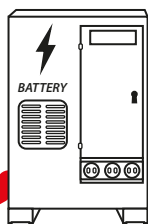
Generator Size: 200kVa



Battery Size: 45kVA 75kWh



Battery Size: 45kVA 75kWh



*Figures based on a 28 day period

28 Day Savings



Fuel consumption reduced by

9,049L



Total CO2e emissions cut by over

28.56T



Total percentage of silent hours

54.2%

GREEN POWER HIRE

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