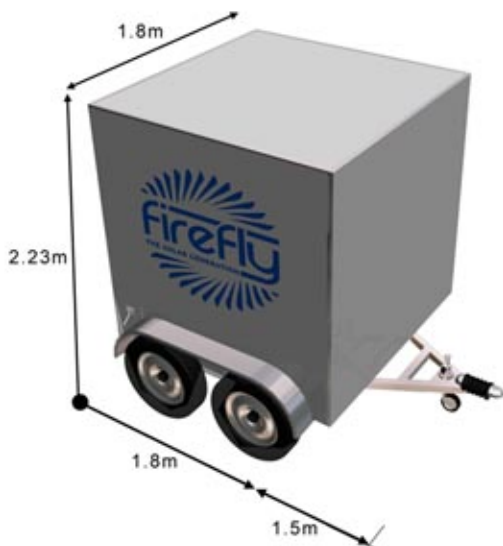
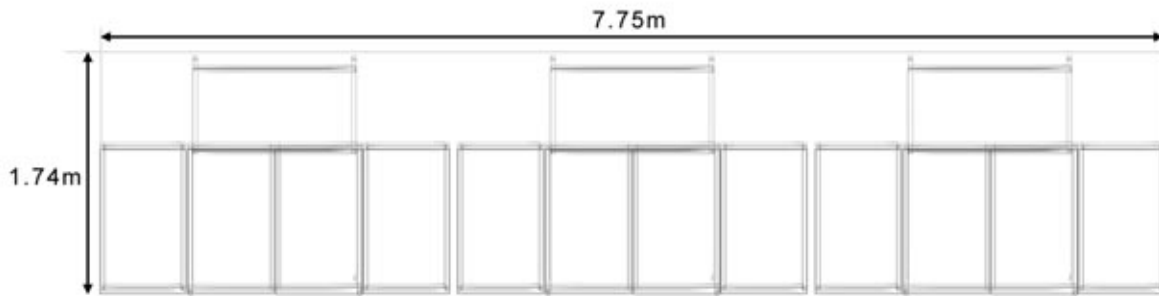
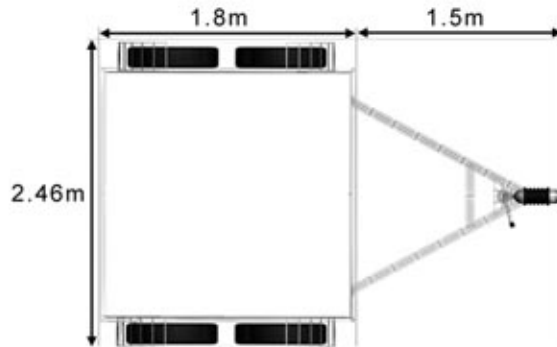




'Orion' 5KVA Solar Generator Data Sheet

Continuous Power Output @ 25°C	4.5 KVA
Peak Power Output @ 25°C (30 mins)	5.0 KVA
Peak Power Output @ 25°C (5 secs)	12.0 KVA
Output Voltage (Pure Sine Wave)	230V AC (Adjustable 190V - 245V)
Output Frequency	50Hz (Adjustable 45-65Hz)
Running Time (no solar charge)	8 hours at 4.5KVA
Inverter Protection	Overload, Overheat, Short Circuit
Circuit Protection	16A B-type MCB / 32A B-type MCB
Earth Fault Protection	40A 30mA RCD
Power Output Connections	1 x 16A 240V SP ceeform socket 1 x 32A 240V SP ceeform socket
Solar Power Input (continuous during peak sunlight)	1560Wp
Set Up Time	30 mins
Weight	2250KG

Top view of Solar Array and Orion Trailer





'Orion' 5KVA Solar Generator

Additional Information

The Orion generators can be linked in parallel via a simple data connection to provide a maximum output of 15KVa.

The solar arrays are transported in the trailers and fold out on custom built aluminium frames when the generator is sited. The frames are built to both withstand high winds and impact. The arrays can be displayed without need for fencing or protection.

Each generator takes approximately 20-30 to set up. However, power can be turned on from the moment the trailer has been sited.

The Solar Arrays can be configured in a number of ways to best suit the space available and the number of arrays used can be varied from event to event. However each Orion unit comes with three banks of panels as standard and we recommend using all three where possible.



The solar arrays should face south to maximize the potential gain from sunlight during daylight hours.

The power output supply is superior to that of diesel generators commonly used at events in that the supply does not vary like a combustion engine based unit does.

The Orion generators utilise Pure Sine Wave power inverters that can be set to produce a constant output at between 190V to 245V AC with absolutely no variance in voltage or frequency.

Solar Generators are completely silent and very safe and do not produce any waste products or harmful emissions.