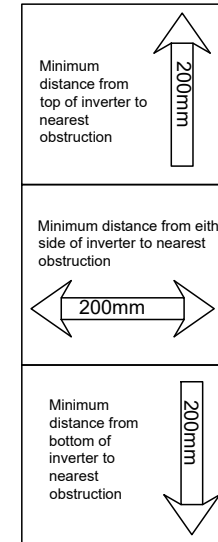


Inverters should be sited away from excessively dusty environments. It should be mounted vertically and ambient air temp <math><40^{\circ}</math> C.

Heat dissipation is very important and if the inverter(s) are to be enclosed (eg in a cabinet) then forced ventilation will be necessary.



#### MANUAL START / STOP PROCEDURE

This solar generator can be isolated at any time using any of the switches provided.

For general isolation it is recommended to switch the system off at the main AC isolator. This is a red and yellow rotary switch labelled; **PV SYSTEM - POINT OF EMERGENCY ISOLATION**. This switch can be secured with a padlock in the off position.

The system will automatically restart (after a 3 minute delay) when switched back on.

#### AUTOMATIC ISOLATION

•	OVERVOLTAGE	Stage 1	262.2 V
•	OVERVOLTAGE	Stage 2	273.7 V
•	UNDERVOLTAGE		184 V
•	OVERFREQUENCY		52 Hz
•	UNDERFREQUENCY		47Hz
•	LOSS OF MAINS		(ROCOF)

#### IMPORTANT:

1. The emergency isolator at the CCU area must be lockable in the off position only.
2. To avoid nuisance RCD tripping, the PV system should be connected to the un-protected circuits on the CCU. This means that the accable run design should be of a method not requiring RCD protection under BS7671.
3. In order to operate, the kWh generation meter should be wired with the 'mains' side being the PV system, and the 'load' being the CCU side. **This is the reverse of how meters are wired in conventional situations.**

Ref: VINE4484.01 Inverter

Drawn by GP 11/01/2023

Vine Hill Hotel  
Clerkenwell  
London  
EC1R 5LB



Little Willow  
Upper Anstey Lane  
Alton GU34 4BP  
020 8789 4717  
www.solsticeenergy.co.uk