CLAIMS

1. A solar electrical generator comprising:

an outer wall arranged to partially surround a cavity, wherein an inner face of the outer wall is provided with solar cells and an outer face of the outer wall is provided with solar cells; and

a hub within the cavity with an upper face which is provided with solar cells which are within the cavity.

2. A generator according claim 1, wherein at least one of the hub and inner face of the outer wall are provided with a reflector.

3. A generator according to any one of the preceding claims, wherein the outer wall is formed of a curved frame to which a flexible solar fabric is attached.

4. A generator according to any one of the preceding claims, further comprising a power storage device within the hub.

5. A generator according to any one of the preceding claims, wherein the outer wall is connected to the hub via one or more spokes.

6. A generator according to any one of the preceding claims, wherein the outer wall subtends an angle of greater than 250° at the centre of the hub.

7. A generator according to claim 6, wherein the outer wall subtends an angle of greater than 280° at the centre of the hub.

8. A generator according to any preceding claim, wherein the outer wall subtends an angle of less than 320° at the centre of the hub.

9. A generator according to any preceding claim, wherein the outer wall is provided by a first panel and a second panel, each panel having a concave inner face and a convex outer face, the panels being horizontally spaced so that the concave faces face one another thereby defining the cavity.

10. A generator according to any preceding claim, wherein the maximum width of the hub is less than half of the maximum width of the cavity.

11. A generator according to claim 10, wherein the maximum width of the hub is less than one third of the maximum width of the cavity.

12. A generator according to any preceding claim, wherein at least part of the outer wall is movable from a first position into a second position in which its outer face is closer to a vertical plane.

13. A generator according to claim 12, wherein the outer wall has an inner portion and an outer portion and the outer portion is movable, while the inner portion is static.

14. A generator according to claim 12 or claim 13, wherein the movable part of the outer wall is rotatable about a substantially horizontal axis adjacent to its uppermost edge.

15. A generator according to claims 12 to 14, wherein the movable part of the outer wall comprises a plurality of sections.

16. A generator according to claims 12 to 15, further comprising a timer to control a movement of the movable part of the outer wall.