CLAIMS

1. A solar electrical generator comprising:

an outer wall (1,2) arranged to partially surround a cavity, the outer wall extending around the cavity to define at least one gap (8) such that light can enter the cavity through a top of the cavity and through the at least one gap,

wherein solar cells (7) extend across an inner face (6) of the outer wall and an outer face (4) of the outer wall; and

a hub (3) elevationally within the cavity with an upper face provided with solar cells radially spaced from the outer wall and within the cavity to receive light which has entered the cavity through the top of the cavity and through the at least one gap and wherein the outer wall (1,2) subtends an angle of greater than 250° at the centre of the hub (3).

2. A generator according claim 1, wherein at least one of the hub (3) and inner face (4) of the outer wall (1,2) are provided with a reflector.

3. A generator according to any one of the preceding claims, wherein the outer wall (1,2) 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 (11,12) within the hub.

5. A generator according to any one of the preceding claims, wherein the outer wall (1,2) is connected to the hub (3) via one or more spokes (10).

6. A generator according to claim 5, wherein the outer wall (1,2) subtends an angle of greater than 280° at the centre of the hub (3).

7. A generator according to any preceding claim, wherein the outer wall (1,2) subtends an angle of less than 320° at the centre of the hub (3).

8. A generator according to any preceding claim, wherein the outer wall (1,2) is provided by a first panel (1) and a second panel (2), each panel having a concave

inner face (1) and a convex outer face (8), the panels being horizontally spaced so that the concave faces face one another thereby defining the cavity.

9. A generator according to any preceding claim, wherein the maximum width of the hub (3) is less than half of the maximum width of the cavity.

10. A generator according to claim 9, wherein the maximum width of the hub (3) is less than one third of the maximum width of the cavity.

11. A generator according to any preceding claim, wherein at least part of the outer wall (1,2) is movable from a first position into a second position in which its outer face is closer to a vertical plane.

12. A generator according to claim 11, wherein the outer wall (1,2) has an inner portion and an outer portion and the outer portion is movable, while the inner portion is static.

13. A generator according to claim 11 or claim 12, wherein the movable part of the outer wall is rotatable about a substantially horizontal axis adjacent to its uppermost edge.

14. A generator according to claims 11 to 13, wherein the movable part of the outer wall comprises a plurality of sections.