VERTICAL FARMING SYSTEM FOR HYDROPONICS GROWTH

ABSTRACT OF THE DISCLOSURE

An off grid vertical farming system (100) is disclosed. The farming system (100) comprises:

(i) a skeletal structure (50) having a top portion and a bottom portion, being formed from a plurality of vertical supporting frame (10) and a plurality of horizontal supporting frame (10'), defining at least six vertical panels (12) as hexagon being plant vertical growing panels (70) for crops, the skeletal structure (50) configured to support the vertical growing panels (70) in a vertical position, wherein the plant vertical growing panel (70) is an area where crops/plants are grown in the farming system (100);

(ii) a roof hexagon (20) which is formed by a plurality of horizontal supporting frame (10') mounted on the top portion of the skeletal frame (50); and

(iii) a base hexagon (30) which is formed by a plurality of horizontal supporting frame (10') mounted on the bottom portion of the skeletal frame (50); thereby the skeletal frame (50) forms into a skeletal tower structure of hexagonal shape which allows for optimizes sun exposure for the crops/plants planted on each of the vertical growing panel (70).

(FIG. 1)