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(57) Abstract :

ABSTRACT ANGLE ADJUSTABLE MULTIPLE SOLAR PANEL SYSTEM WITH AUTO SENSOR ROTATOR HOLDER AND EXPANDABLE SOLAR PANEL The present disclosure discloses an angle adjustable multiple solar panel system (100), comprising: one or more solar panels (102), one or more angle adjustment mechanisms (104) allowing the one or more solar panels (102) to be set at defined angles, one or more auto sensor rotator holders (106) integrated with each solar panel, comprising one or more light sensors (108) and one or more motorized actuators (110) to detect sunlight direction and adjust an angle of each solar panel, an expandable solar panel roof (112) comprising a lifting mechanism (114) configured to elevate the expandable solar panel roof (112) in standby mode, and a controller (116) configured to process data from the one or more light sensors (108) and from the one or more motorized actuators (110) to optimize the angle of each solar panel through the expandable solar panel roof (112) based on real time sunlight direction. FIG. 1

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