

238000000429 assembly Methods 0.000 description 8; 230000000712 assembly Effects 0.000 description 8; ... FIG. 13 is a plan view of a retractable solar panel array 600 in accordance with another embodiment, wherein the retractable solar panel array 600 is fixed between a pair of vertical members 602, 604 . As shown in FIG. 13, the solar panel ...

A deployable/retractable photovoltaic concentrator solar array assembly for space applications that includes a plurality of solar array panels that are carried by a pantograph arm arrangement that is deployable to position the panels in a predetermined canted arrangement for receipt of solar radiation. Each panel includes a plurality of spaced cylindrical off axis parabolic mirrors ...

Retractable canopy to slide easily into a position you want Ten solar-powered LED strips: light up after dark. 12-hour charge time, lights for approx. five hours PA-coated polyester canopy Steel frame for a strong standing structure ...

A multiple-panel, foldable solar cell array assembly that is retractable for being stowed in the payload bay of a space vehicle in a folded configuration and extendable for deployment outside the vehicle in an unfolded configuration; the array assembly comprising: a structural boom connected between two of said panels; and a deployment arm ...

The invention discloses a kind of retractable solar cell panel assembly, including: cell panel;Framework, it includes the slide rail of a pair horizontally set parallel to each other;Supporting part, it is arranged on the pair of slide rail, and described cell panel is arranged in described supporting part main body;Lifting platform, it is arranged on the side of ...

Experience instant shade at your command with the Furrion Lumina solar-powered retractable awning -- the residential industry's first solar-powered smart awning with internal Wi-Fi connectivity. This awning brings shade, comfort and style to your home or b

*Weather tight design-keeping the elements out.*Field adjustable-ridge height & pitch.*Heavy duty-5-fin E.P.D.M rubber gasketing around each pane.*Framework-Over 200 different patent ...

The invention discloses a kind of retractable solar panels with angle regulating function, belong to solar panel technology field, including pedestal, angle adjusting mechanism and two fold mechanisms, the upper end of the angle adjusting mechanism is equipped with support plate, each fold mechanism includes moving assembly, first foldable assembly, second foldable ...

A portable, retractable, solar racking system comprises a modular set of solar panel frames, each solar panel

frame comprising a solar panel, a plurality of arms, and a plurality of struts, the arms and the struts forming a structure to which the solar panel is secured, a pivoting connector assembly mechanically connecting one of the solar panel frames to another one of the solar ...

Solar Array's primary structure with high deployed strength and stiffness upon deployment. o An Integrated Modular Photovoltaic Blanket Assembly (IMBA) manufactured with highly manufacturable Solar Power Modules (SPM), accommodating all PV cell types & sizes and flexible concentrators. The rolled configuration of IMBA has outstanding ...

A retractable solar panel system, which includes a plurality of solar panels, and a system for extending and retracting the plurality of solar panels. The plurality of solar panels can be configured to be attachable to a nautical stay, wherein the stay is fixed at one end to a hull of the sailboat and at a second end to a mast of the sailboat.

A Swiss start-up has created a containerised movable PV system that is designed to be easily relocated to allow the use of solar energy in locations where a fixed installation is not an option. The solution is based on a racking ...

A portable, retractable, solar racking system comprises a modular set of solar panel frames, each solar panel frame comprising a solar panel, a plurality of arms, and a plurality of struts, the arms and the struts forming a structure to which the solar panel is secured, a pivoting connector assembly mechanically connecting one of the solar ...

SmartFlower is the innovative sculptural solar flower with advanced photovoltaic solar panels that open and close to cleaning itself for maximum efficiency. Products Commercial

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Switzerland-based start-up PWRstation has developed a container-based retractable PV system solution that is claimed to allow a large number of solar panels to be deployed very quickly by a single person. The ...

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