CLAIMS

1. A PV panel array comprising;

a~~A~~ plurality of PV panel modules, each module comprising:

a frame arranged to support a photovoltaic panel;

the frame including an assembly of articulated members arranged to fold from an extended position to a retracted position;

~~.~~each of said modules further including binding fixtures, said binding fixtures arranged to cooperatively engage a binding fixture on an adjacent PV panel module so as to couple said modules together to form the array

said binding fixture including a nestable bracket for the cooperative engagement of the modules, and a lock arranged to securely lock said nested brackets so as to form a rigid connection between the modules;

such that the plurality of engaged PV panel modules operate structurally as the single PV array.

~~1.~~2. The PV panel array ~~module~~ according to claim 1, wherein said frame is integrally connected to the photovoltaic panel, such that the frame and panel are arranged to be transportable as a single unit.

~~2.~~3. The PV panel array ~~module~~ according to claim 1 or 2, wherein the frame is connected to the panel through one frame part in a translationally fixed manner at a first end of the panel, and;

slidingly engaged by a second frame part, such that in folding from the extended position to the retracted position, with the second ~~member~~ frame part ~~is~~ arranged to slide relative to the panel.

~~3.~~4. The PV panel array ~~module~~ according to any one of claims 1 to 3, wherein the frame is arranged to form a ~~plane~~ planar shape in the retracted position.

~~4.~~5. The PV panel array ~~module~~ according to claim 4 wherein the planar shaped frame is arranged to nest into the panel in the retracted position.

~~5.~~6. The PV panel array ~~module~~ according to any one of claims 1 to 5, wherein the frame includes a selectively releasable base.

~~6.~~7. The PV panel array ~~module~~ according to claim 6, wherein the selectively releasable base includes one or a combination of: weights mountable to said frame, ground engaging members, engagement devices for engaging a surface or selectively fillable weight containers arranged to receive sand, soil or liquid on site.

~~7.~~8. The PV panel array ~~module~~ according to any one of claims 1 to 7, wherein the frame includes one of: a scissor frame, a parallelogram pivot frame, a plurality of discrete legs pivotally connected to the frame or a telescopic frame.

~~8.~~9. The PV panel array ~~module~~ according to any one of claims 1 to 8, wherein the frame includes an actuator to move the frame between the extended position and the retracted position.

~~9.~~10. The PV panel array ~~module~~ according to claim 9, wherein the actuator includes a bi-axial pivoting actuator, such that when the frame is placed the PV panel is arranged to be rotated and/or pivoted.

~~10.~~11. The PV panel array ~~module~~ according to claim 10, further including a control system, said control system arranged to control a solar tracker used to operate the bi-axial actuator.

~~11. The PV panel module according to any one of claims 1 to 11, further including binding fixtures, said binding fixtures arranged to cooperatively engage a binding fixture on an adjacent PV panel module so as to couple said modules together.~~

~~12. The PV panel module according to claim 12, wherein said binding fixture including a nestable bracket for the cooperative engagement of the modules, and a lock arranged to securely lock said nested brackets.~~

~~13.~~12. The PV panel array ~~module~~ according to any one of claims 3 to 5, further including a brace connected to the frame, said brace arranged to move from a retracted position to a locked position on the frame moving from the retracted position to the expanded position, said brace in the extended position forming a triangulation with the frame.

13. A method of installing a PV panel array~~module~~, said array comprising a plurality of PV panel modules, each module comprising:

~~said module comprising~~ a PV panel mounted to a frame, and , the method comprising the steps of:

placing ~~said~~ the frames of each module on a suitable surface;

extending an arrangement of legs of ~~said~~ each frame so as to raise ~~said~~ each frame from a retracted position to an extended position;

fitting a selectively releasable base to ~~said~~ each frame so as to fix said frame to said surface;

each of said modules further including binding fixtures having nestable bracket;

cooperatively engaging the binding fixtures on adjacent PV panel modules and so coupling said modules together to form the array, and;

locking said nested brackets.~~.~~

~~14. A method of installing solar panels, dismantling and re-installing to a site, the method comprising the steps of :~~

~~connecting a solar panel to a frame so as to form a PV panel module;~~

~~transporting the PV panel module to the site;~~

~~installing from a retracted position to an extended position the frame;~~

~~engaging the ground with a releasable base on said frame;~~

~~subsequently, on re-deploying the system to the site~~

~~removing the releasable base;~~

~~folding the panel from extended position to retracted position;~~

~~transporting the solar panel connected to the frame to another site.~~