

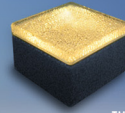
# Long Life Thin Solar Panels & Products Designed & Made

Customer Specified



Thin Sol-Cryst-FLAT™ Panels

Expandable Up to 6 Panels = 4.5Wp

5+Yrs Pocket Sol-Charger™  
Power PackThin Sol-Cryst-FLEX™ Panel Systems on Car Roof  
Fitted to Any E-Vehicle Model Roof10+Yrs Sol-Paver™ Light  
Up to 10 ton vehicle load

480Wp

70Wp  
For Curved Surfaces:  
On Roofs & Hoods of EV-HEVs

## Solar Technology Bulletin - Solar Thin Panels vs Large Solar Modules

Solar power technology is expanding rapidly and providing various ways to integrate solar energy into different applications. In general, there are two distinctly different application targets for solar powered devices:

1. for Large Scale Systems, both Grid-Connected and Stand Alone (currently 90%+ of all solar devices production) versus.
2. for Relatively Small to Large Size Systems for Low Voltage Consumer/ Industrial Outdoor Devices, ranging from Pocket Solar Power Packs for Smart Phones to the more recent medium to large HEV-EVs for personal or public transport on land, water or air.

These two application targets require significantly different material, design, production and technological requirements, and there are also different definitions for 'solar modules' against 'solar panels' for them:

1. A Solar 'Module' is a Large Mass Produced Standardized device with Few Different Models and Sizes, designed, made and installed Mostly in Large Numbers Grid-Connected in >1MWp Generator Fields or Farms.
2. A Solar 'Panel' is more defined as and Tailor-Designed for Each Specific Electric/ Electronic Consumer/ Industrial Device in Many Sizes and Shapes, and produced in a Wide Range of Quantity from a Few to Many. This requires not only a Very Flexible, 'Made To Order' Production Technology, Equipment and Management System, but also a Different, Wider Range of Necessary Adaptations and Inventions, as well as Field Experience in this Less Known (<10%) Subcategory of PV Solar Technology.

bySol-Lite's Solar Crystalline Thin Panels are thin, lightweight and encapsulated within a special transparent UV resistant polymer, through which, the panels can perform reliably with a long life expectancy of 10+ years. They are Custom Designed to Fit the Solar Requirements of Each Electronic or Electrical Product to be SOLARIZED.

With the increasing efficiency of solar cells, bySol-Lite's Solar Thin

Panels can generate More Energy from a Smaller Panel Area than Ever Before, and have a much higher efficiency Compared To Thin Film Solar Panels. This Superior Charging Power is Very Stable and Little Affected by Aging for over 10 years of sun and weather exposure, and Also Gives Significant Savings:

- Smaller Panel Size/ Wp
- Much Less Panel Materials and Components
- Much Less Weight & Shipping Volume/ Wp
- Much Less Footprint and Installation Materials

If you are planning to "Solarize" your Battery/DC Operated Outdoor Electronic/ Electrical Products including HEVs-EVs, then bySol-Lite's Solar Thin Panels would be a great option for you.

For more information or any enquires, please Contact Us at [sollite@bysol-lite.com](mailto:sollite@bysol-lite.com).