



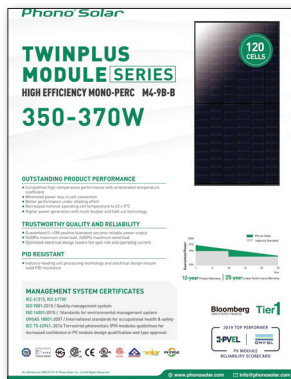
# Solar Modules

What they do and how we choose which to use?

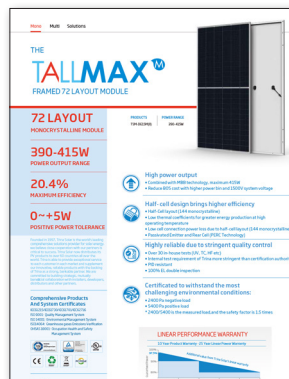
- Solar panels, in combination with solar optimizers attached to each panel, form smart solar modules which capture sunshine and process it as energy (DC current).  
A separate solar inverter then converts the DC current to the AC current needed by your appliances and HVAC system.
- Each smart module communicates its performance data in real-time to the solar monitoring system, which mitigates potential power losses for peak system efficiency, plus provides module level, cloud-based monitoring for tracking efficiency and performance.
- U.S. Energy Solutions offers premium-quality solar panels sourced from top brands in the U.S. and around the world.

While we can source just about any solar panel you might desire, as a convenience to our customers we recommend and stock select panels in a variety of outputs.

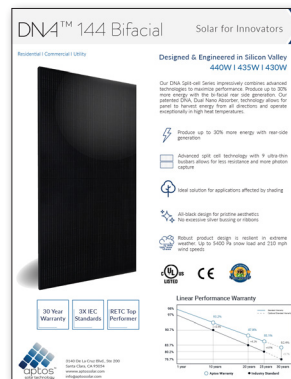
Shown below are the 3 brands and sizes which we think currently provide the best combination of quality, performance, price, and availability:



Phono Solar 365W



Trina Solar 415W



Aptos Solar 440W

Click on each image to view its pdf spec sheet offering full details.