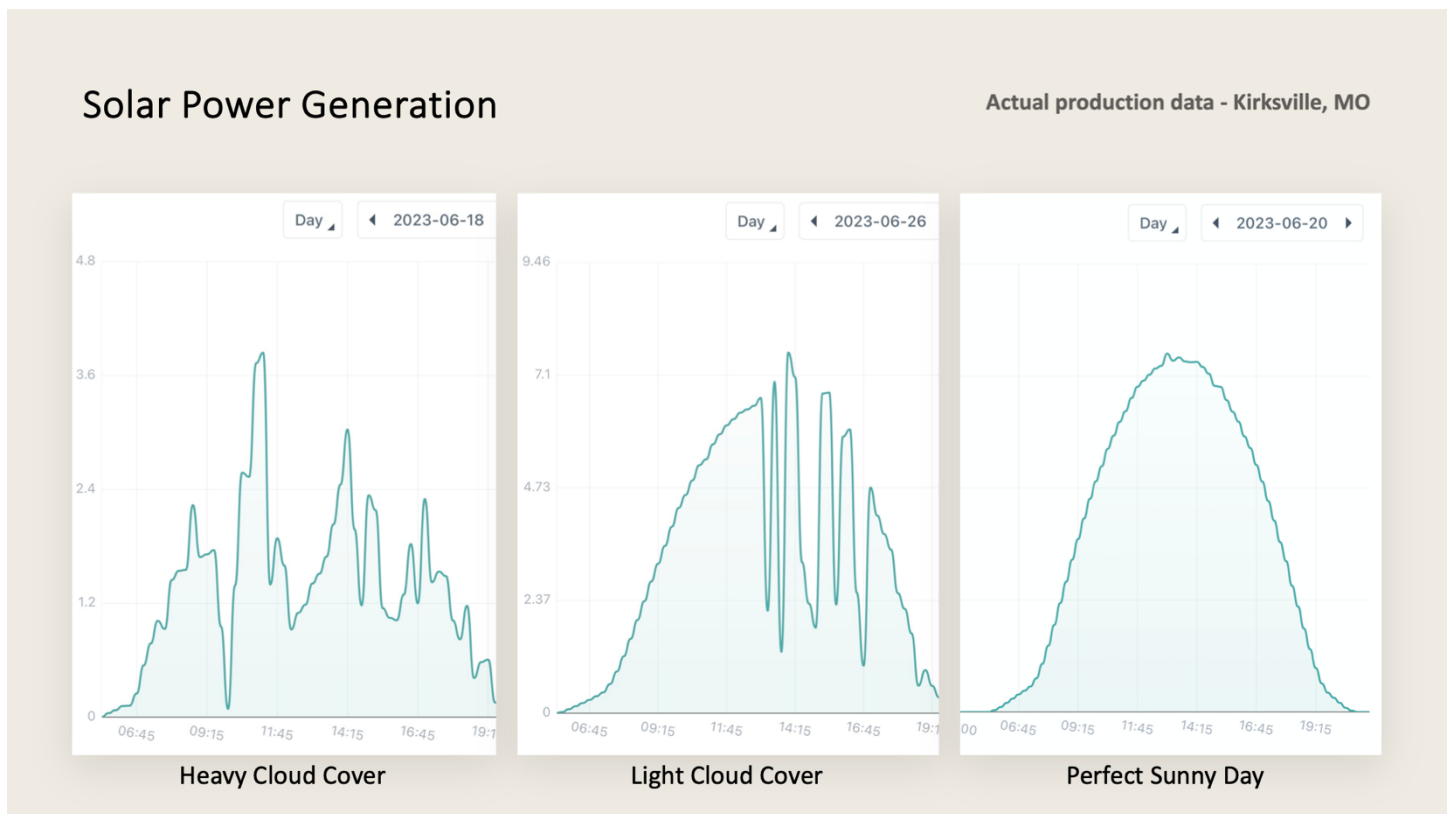




What can I expect on cloudy days? Does this solar system have some way to store or produce energy for a little while when it clouds over?

The short answer is “yes” to producing energy when it clouds over.

How does this happen? **Efficiency.** Using the power produced on-site (*solar-direct*) first is the *most efficient* because there is less energy lost through conversion and transmission across multiple lines or inverters and batteries. Our patent-pending technology converts solar directly and instantly to usable power. Other solar power systems need a battery to even produce power. **Bottom line:** During a period of heavy cloud cover, the Vroom Solar system will produce approx. 20% of maximum rated output. This increases to around 40-50% in light cloud cover (see graphic below).

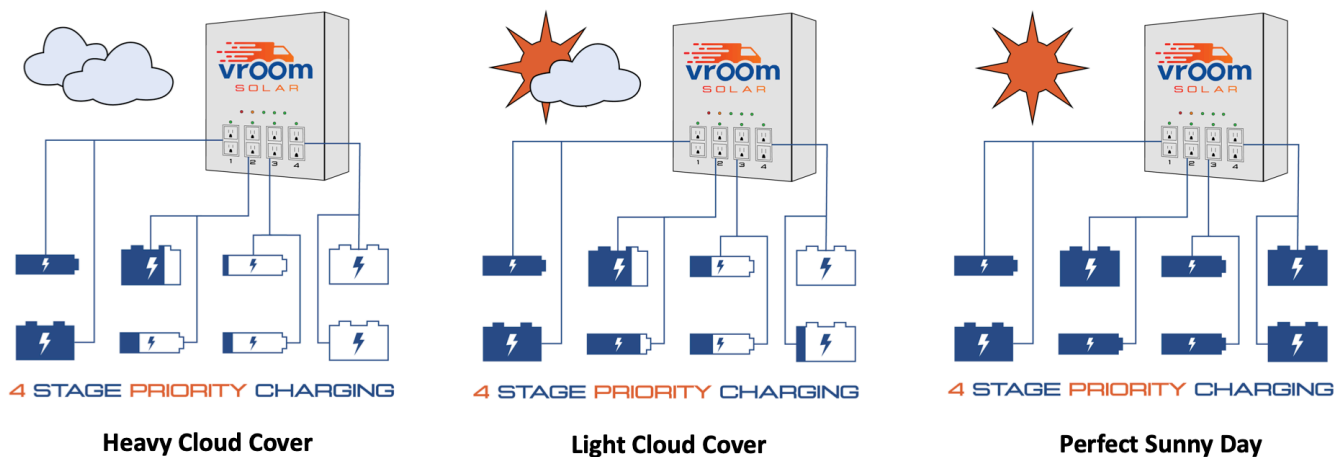


Our solar-direct, **Smart Solar Management** system manages energy influxes through our patent-pending Load Management technology, which provides the capability of managing multiple connected loads based on supply and demand (input power availability and draw). AC power is distributed through (4) fused receptacles (standard 110-volt outlets, each with an integrated 15-amp, resettable fuse), each having an internal priority level (1-4) assigned. You plug in loads based on your self-selected priority: *outlet one has the*

highest priority, followed by outlets two through four in that order. Like an automatic transmission, power is cycled through the outlets, based on available input power and load draw. Throughout the day, your sun power, it changes. As you lose power on cloudy days, the Control Center starts clicking off outlets until you get to your priority outlet (#1). You keep your most important load plugged into outlet #1, and that stays powered up, even in cloudy conditions. Then as more sun appears, additional outlets will click on as load on each outlet permits under the conditions (see graphic below).

Vroom Solar Manages Energy Influxes

Alternating through the outlets, based on supply and demand



Choice of Alternate Power (AC input) options for Backup Power

Vroom Solar's VS3000 Control Center features a fully integrated Automatic Transfer Switch (ATS), which allows your choice of an *optional* battery, generator, or even the grid to easily connect and power the Vroom Solar AC outlets if solar energy is not enough to sustain loads connected (or at night). This is when the **Smart Solar Management** system truly shines. When available solar energy wanes, individual outlets are automatically and instantly switched from solar-direct power to this alternate power input (if available), with outlet (4) being the first to switch. Our **Smart Solar Management** system will even send a signal to start your generator if attached for backup power. As solar energy becomes available again, alternate power is immediately turned off and solar-direct power automatically resumes. Reset is not required.

When backup power is needed at night or during periods of heavy cloud cover, the *Vroom Solar VS3000* gives you options. *Vroom Solar gives you freedom to harvest sunlight anywhere*; use it instantly or seamlessly integrate a backup source for when you need it! And check out our adjustable trailer rack for solar panels, the Vroom Rack™, to extend your personal solar-direct power plant to mobile applications.

“Plug Into the Sun... Anywhere”