How does a Smartflower compare to traditional solar panels?
The Smartflower tracks the sun from dawn to dusk, ensuring that its solar panels are always at a 90-degree angle to the sun, optimizing the radiation it receives, unlike most other solar setups. This precise tracking can increase productivity by as much as 40%.

What makes Smartflowers so smart?
• Smart tracking – Cutting-edge dual-axis tracking technology allows the Smartflower to follow the sun.
• Smart cleaning – Solar modules on a Smartflower clean themselves when the devices open and close. This boosts efficiency by as much as 5%.
• Smart cooling – Rear ventilated solar modules help keep the panels cool, boosting efficiency by as much as 10%.
• Smart safety – Sensors on the Smartflower detect bad weather and alert the flower to fold into a secure position until weather conditions improve. This helps prevent system damage.
• Smart mobility – Smartflower is a ground mounted, all-in-one solar system which means it’s easier to move than a traditional solar setup.
• Smart technology – An app allows you to control and access information about your Smartflower while on the go.

How much power does a Smartflower generate?
On a sunny day, a Smartflower produces up to 2.5 kW. That’s enough power to energize a small home, or cottage, to charge an electric vehicle (depending on the charging needs), or other appliances. Smartflower can produce 4,000-6,400 kWh/year, depending on the amount of sun and location.

The average Cobb EMC home uses about 14,000 kWh/year. The Smartflower can produce up to 45% of the average home’s usage.

Can I go off the grid with a Smartflower?
If your home has existing electric service with Cobb EMC, you are not able to go off the power grid. A Smartflower does not produce enough power to meet all of the energy needs of the average Cobb EMC home. However, unused energy produced by your Smartflower will be fed into the grid and can be sold back to Cobb EMC.

How does severe weather impact a Smartflower?
Smart technology allows the Smartflower to take precautionary measures when the weather turns bad. If wind gusts of 29 mph or more persist for 5 seconds or more, Smartflower will close to protect its petals. Additionally, Smartflower has been tested to operate normally in temperatures as hot as 104 degrees Fahrenheit and as cold as -4 degrees. Smartflower has also been tested under various hail conditions and has proven to meet solar industry standards for panel durability.

How big is a Smartflower? How much room should I expect it to take up on my property?
A Smartflower must have a clear area of 17 feet in all directions to be installed correctly and unobstructed. The Smartflower operates best in areas with minimal shading.
Can I install a Smartflower on my own?
No. A certified installation technician is required. By law, only a licensed electrician can connect devices to the power grid. Additionally, a certified installer should complete the installation process to ensure proper setup and to keep the warranty valid.

Is there a warranty on the Smartflower?
Each Smartflower comes with a 2-year warranty that covers parts and labor. Smartflower also has several manufacturer warranties on key components, including a 5-year limited warranty on the sun tracking device, a 10-year limited warranty on the inverter, and a 25-year limited performance warranty on the solar panels.

What maintenance does a Smartflower require?
Smartflowers are low-maintenance. Brushes on the back of each solar panel self-clean the Smartflower when the device opens and closes. Roughly every two years, a certified technician should oil the moving parts, upgrade the system software, and ensure all connections are secure.

What happens if I move?
Solar power adds value to your property when it comes time to resell your home or business. If you want to take your Smartflower with you when you move, a certified electrician can help.

Does a Smartflower qualify for tax credits?
The investment tax credit (ITC), also known as the federal solar tax credit, is a 26 percent tax credit for solar systems on residential (under Section 25D) and commercial (under Section 48) properties. Credits are subject to limitations and eligibility requirements. Refer to DSIRE (www.dsireusa.org) for more information.

For additional questions, call 770-429-2125 or email gogreen@cobbemc.com.