

## PEES Power Systems

# Kia Solar Power Generation



## Overview

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A solar power generation facility installed at Kia AutoLand Hwaseong (Photo courtesy of Kia Corp. announced on July 15 that it is accelerating its pace towards achieving RE100 by 2040 by expanding renewable energy power supply to its major business sites. Vehicle Protection Structures (VPS) is a leader in hail protection and solar-integrated canopy systems for automotive OEMs. In March 2023, a severe hailstorm struck Kia's West Point, Georgia, manufacturing campus, damaging over 13,000 vehicles and triggering tens of millions in losses. Today, Kia Georgia produces some of the brand's most popular models, including the. Kia's electric car solar panel innovation is a game-changer, seamlessly integrating rooftop solar cells to extend driving range by up to 1,200 miles annually. This cutting-edge technology boosts efficiency and sustainability, reducing grid dependence while enhancing eco-friendly performance for. Kia America has taken a proactive approach to safeguarding its vehicles from the damaging effects of hailstorms, which cost the company millions of dollars in 2023. (VEHICLE PROTECTION STRUCTURES) When a severe hailstorm hit Kia America Inc. 's Georgia assembly plant in March.

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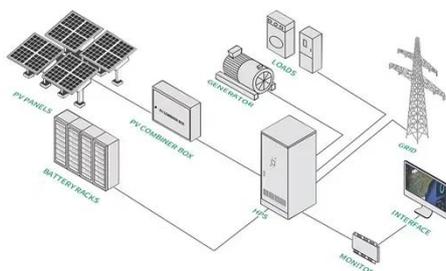


### Kia Electric Car Solar Panel Innovation Boosts Range

Kia's solar system isn't just about generating power--it's about using it wisely. The car's onboard energy management system constantly monitors solar input, battery charge level, and driving patterns.

### Kia installs hail protection with solar panels at Georgia plant

Vehicle Protection Structures has partnered with Kia America to install a hail protection and solar power system at the Kia assembly plant in West Point, Ga.



### Kia's new solar system shields against hail damage.

By generating renewable energy on-site, Kia is taking significant steps toward reducing its carbon footprint and enhancing its operational efficiency. This initiative aligns perfectly with Kia's global aim to ...

## Kia transforms its parking lot into a solar plant in Georgia

The automaker **\*\*transformed its parking lot into a medium-scale solar installation\*\***, designed to **\*\*generate clean energy\*\*** and protect the infrastructure from **\*\*extreme weather events\*\***.



## Kia Partners with VPS, SolMotiv, Ancora Systems, and ARaymond on

The Kia installation demonstrates how automakers and suppliers can collaborate to build dual-use infrastructure that reduces risk and advances sustainability. With completion expected in early 2026, the ...

## Kia Lost Millions To Hail In 2023. Its New Protection System Is A Solar

With 17,000 solar panels, Kia's now-protected car park in Georgia will output up to 13 MW of power. Kia America found a clever way to protect newly assembled vehicles from hail. The hail



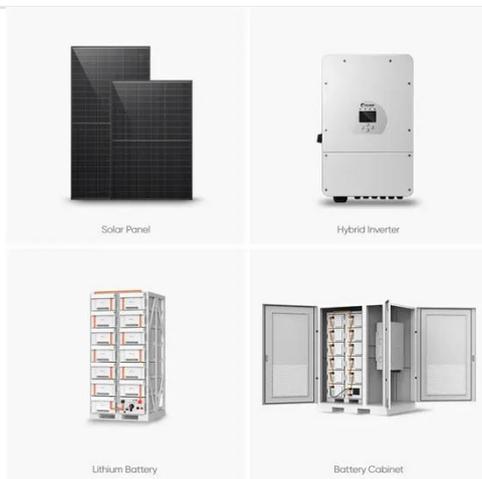
## Kia Builds 10MW Solar Canopy to Combat Climate Risk



Kia responded by rethinking the structure of its operational infrastructure. Rather than building a traditional hail shelter, the automaker led a collaborative effort to develop a multi-functional canopy system ...

## Eco-Friendly Installation to Keep Kias Safe From Future

Not only would the installation protect vehicles from future hail damage, but it would also create solar energy, making Kia's production facility greener in the process. Kia has the goal of



## Kia Georgia Goes Green with Solar Panel Project

After a massive hailstorm damaged over 13,000 vehicles at the Kia Georgia plant in 2023, the company knew it needed a better solution. The answer? A cutting-edge solar canopy system from VPS that

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## Kia Corp. Aims for 2040 RE100 Achievement with Solar, Global PPA

To address climate change and achieve carbon neutrality, Kia is actively pursuing the expansion of renewable energy use and the construction of self-generation power facilities at domestic and overseas ...



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