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"The Single-Phase Hybrid Inverter and ESS is a strategic development by CPS America, created specifically to address the unique challenges small C&I customers were facing in integrating renewable energy," said Bryan Wagner, President & GM of CPS America. "We saw an opportunity to provide a more customizable, scalable energy solution that would simplify installation, reduce operating costs, and help businesses maximize their energy revenue potential. Our goal is to empower these businesses with the tools they need to manage energy efficiently and reduce their reliance on the grid."

This advanced hybrid inverter can be configured as either AC or DC coupled with an onsite PV array, offering up to three maximum power point tracking (MPPT) inputs for flexibility in system design. It also features an integrated generator input terminal, providing additional power backup when needed. The system is equipped with advanced energy management software (EMS) that enables seamless energy transfer between grid and off-grid modes, as well as optimized control over energy storage and usage. The solution is fully certified, UL 9540 compliant, and includes built-in safety features such as rapid shutdown and arc-fault protection to meet the latest NEC standards.

Wayne Lin, Residential Product Manager at CPS America, shared his enthusiasm for the new solution: "I'm proud to offer a highly customizable solution to our customers at the small C&I level. This product reflects the core principles that CPS America applied when we became the #1 market leader in the industry—providing a reliable, scalable, and efficient solution that meets the evolving needs of our customers. Whether you are looking to maximize energy independence or reduce energy costs, this system provides the flexibility and performance that customers need."

The Single-Phase Hybrid Inverter and ESS also integrates seamlessly with CPS America's modular 5-20 kWh batteries, allowing users to stack up to 60 kWh of storage capacity. This scalable design makes it ideal for small businesses and commercial properties looking to expand their energy capacity as needs grow. The lithium iron phosphate (LFP) battery technology ensures high energy density, long cycle life, and superior thermal stability, ensuring both safety and performance in demanding applications.

CPS America's Single-Phase Hybrid Inverter and ESS is an ideal solution for small businesses, residential-commercial hybrid applications, and off-grid projects looking to maximize energy savings, ensure power reliability, and achieve sustainability goals.