

Distributed Energy Storage System Design Just Got Easier!



Power Conversion System

(OZPCS-RS35 - 120/208V 3-phase | 120/240V split-phase)

With a compact, 3U form factor, the transformer-less OZPCS-RS35 power conversion system installs directly into standard battery racks. Front side terminations simplify interconnect, and the fully parallelable, 35kW architecture permits easy system expansion.

Optimized for both 3-phase and split-phase grid connection and 400-800VDC battery voltages, and advanced “Smart Inverter” features supporting both grid-tie and grid-forming modes, design and certification for energy storage applications doesn’t get any easier.



Rack Scale™
35kVA Power Conversion System



Benefits

The benefits of a Trystar conversion system include improved energy efficiency, regulation, compatibility, integration with renewable sources, and safety, making these essential components in modern renewable energy solutions.

- **Safe, Reliable, Reduced Size and Weight:** No transformer means less bulk, making this system more compact and lightweight. This is crucial in applications like renewable energy systems (solar, wind).
- **High Efficiency:** Transformer-less design reduces energy losses associated with magnetic components. This leads to a more energy-efficient conversion.



Applications

- Solar, Wind and Storage
- Microgrids
- EV Charging Unit(s)
- Remote Power Unit(s)
- Resiliency
- Distributed Utility
- Arbitrage



Key Features

- Optimized for 120/208V 3-phase and 120/240V split-phase applications
- Supports grid-tie and grid-forming applications
- Easy paralleling allows for quick product scaling
- UL1741-SB smart inverter functions
- 3 and 4 wire transformer-less grid interface
- Power Studio™ user interface
- SunSpec™ Modbus RS-485 compatible



Power Studio™ Configuration Tool

Power Studio™ is a Windows-based User Interface that can be used to easily configure and control the OZPCS-RS35. The tool communicates with the inverter over the RS-485 serial port and provides a simple, intuitive user interface. Features include:

- Simple tabbed interface
- Dashboard
- Configuration
- Instrumentation
- Edit Configuration
- Download/Upload Configurations
- Archive Multiple Configuration Files
- Firmware Update Utility



Catalog Numbers

Catalog no.	Description
OZPCS-RS35	35kVA Power Conversion System