

Power Conversion Series Model: OZPCS-RS35

Power Conversion System

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

Distributed Energy Storage System Design Just Got Easier!

With a compact, 3U form factor, the transformerless 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 3-phase and split-phase grid connection and 400-800VDC battery voltage, and with grid-tie and grid-forming operating modes, advanced “Smart Inverter” features, and design and certification for energy storage applications, system design doesn’t get any easier.



OZPS-RS35

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
- Wide AC voltage range
- 60Hz
- UL1741-SB smart inverter functions
- 3- and 4-wire transformerless grid interface
- Integrated data logging
- Industry-standard interface
- SunSpec certified
- Modbus RS-485

POWER CONVERSION

MODEL: OZ-PCS-RS35 - 35kVA

Product Specifications

Electrical	
DC Connection	Operating Voltage Range: 380-820 VDC Full Power Voltage Range: 400-800 VDC Max DC Current: +/- 95 A Max DC Power: 36.5 kW Wiring Configuration: Two wire
AC Connection	Max AC Power: 35kVA @ 208Vrms Max AC Current: 100Arms Continuous 130Arms 10 seconds max. AC Line Voltage: 120 - 208Vrms 3-phase 120 - 240Vrms split-phase AC Line Frequency: 60 Hz Power Factor: -1 to +1 Current Harmonics: IEEE 1547 Compliant, <3%THD Typical Efficiency: 97%
User Interface	
Isolated Communication Link	Modbus RS-485
Register Mapping	SunSpec PCS
Isolated Digital Inputs	Emergency Shutoff Bias Enable
Isolated Digital Outputs	User Configurable 1 and 2
Indicator LEDs	4
Warranty	5 years Standard 5 year Warranty Extension Available

Ordering Information

Catalog no.	Description
OZPCS-RS35	Power Conversion System

Connections

