



Power Conversion Modules

Description

Power Innovations International's (Pii) family of power conversion modules include AC to DC rectifiers, DC to AC inverters, and DC to DC converters. Each power module comes in the same footprint, meaning that a wide range of power conversion applications can be handled with the same simple, reliable topology.

Our rectifiers accept single phase power and when configured into power shelves can accept single- and three-phase power. Our inverters can be configured in a power shelf to provide single phase, split phase or three-phase power, and our converters can convert from high-to-low voltage or from low-to-high voltage.

Key Features and Advantages

- AC-DC, DC-AC, and DC-DC power conversion modules available
- Same dimensions and weight for all modules (5.18" x 1.57" x 12.71", 5.5 lbs)
- Front-to-back and back-to-front airflow options for many modules
- All modules parallelable in power shelves to fit within a 19" EIA style rack
- Modbus RS-485 communication protocol; Modbus or CAN when configured in Power Shelf

AC to DC Rectifier



DC to AC Inverter



DC to DC Converter



AC to DC Rectifiers

Description	Input Voltage	Input Current	Output Power	Output Voltage	Output Current	Safety Standards
PS-2332-01Px-LF Industrial 3.3 kW Rectifier	AC: 190 Vac to 305 Vac operating range DC: 200 V to 440 V range	16.5 A max	3.3 kW	250 Vdc to 920 Vdc full range: 400 & 800 Vdc nominal 400 V range: Adjustable 250 Vdc to 450 Vdc 800 V range: Adjustable 450 Vdc to 920 Vdc	400 V range: 8.7 A max 800 V range: 4.3 A max	UL 62368-1 (IEC 62368-1) Vac input only; CE marking
PS-2332-EVCx-LF EV 3.3 kW Rectifier	AC: 120 Vac to 305 Vac operating range DC: 250 V to 420 V range					UL 2202 (AC & DC input); CE marking
PS-2332-02Px-LF 60 V 3.3 kW Rectifier	AC: 120 V to 305 V range DC: 300 V to 450 V range	17 A max		60 Vdc range: Adjustable 42 Vdc to 64 Vdc	58 A max	Conforms to IEC 62368-1; CE marking

DC to AC Inverters

Description	Input Voltage	Input Current	Output Power	Output Voltage	Output Current	Safety Standards
IM-2332-01Px-LF 3.3 kVA Inverter	290 Vdc to 440 Vdc	12 A max	3.3 kVA	120 Vac to 277 Vac single-phase 120/240 V split-phase	120 V single-phase: 27.5 A max 120 V / 240 V split-phase: 13.75 A max on each phase	Conforms to UL1741; CE marking

DC to DC Converters

Description	Input Voltage	Input Current	Output Power	Output Voltage	Output Current	Safety Standards
DD-1302-TH12 12 V DC-DC Converter	DC: 300 V to 450 V	12 A max	3 kW	13.8 Vdc nominal Adjustable range: 10.8 Vdc to 14 Vdc	220 A max	Conforms to IEC 62368-1; CE marking
DD-1302-01Px-ROHS 24 V DC-DC Converter	DC: 300 V to 440 V			27.6 Vdc nominal Adjustable range: 21.6 Vdc to 28 Vdc	110 A max	
DD-2352-02Px-LF 48 V to 400 V DC-DC Converter	48 Vdc nominal Operating range: 43 Vdc to 60 Vdc	85 A max	3.5 kW	350 Vdc nominal Adjustable range: 350 Vdc to 400 Vdc	10 A max	