

# Communications

## Satellite Transceiver

INPUT	110 / 220 Vac, 47 – 63 Hz, Autoranging
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OUTPUT	<ul style="list-style-type: none"><li>• -5 Vdc @ 5 Watts</li><li>• 12 Vdc @ 180 Watts</li><li>• 8 Vdc @ 24 Watts</li><li>• 15 Vdc @ 50 Watts</li><li>• 24 Vdc @ 12 Watts</li></ul>
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TOTAL POWER	350 Watts
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WEIGHT	4 lbs.
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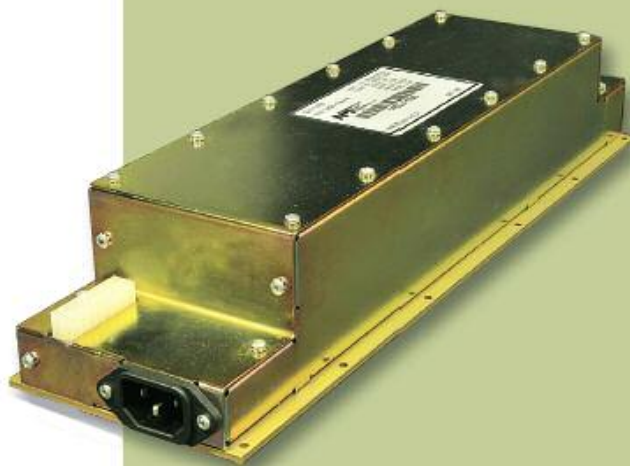
DIMENSIONS	4.0" x 2.5" x 13.75"
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OPERATING TEMP.	-40°C to +70°C
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COOLING	Conduction
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COMPLIANCE	<ul style="list-style-type: none"><li>• IEC950</li><li>• UL1950</li><li>• FCC Part 15, Class A</li><li>• EN55022 (EMI/EMC)</li></ul>
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OTHER	<ul style="list-style-type: none"><li>• Low noise (&lt;25 mV p-p)</li><li>• Current limit</li><li>• 12 Vdc output is adjustable from 8 – 13 Vdc</li></ul>
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*This customized low-noise five output power supply is designed to fit exactly into the host system. Universal AC input allows for worldwide application.*

**VICOR Custom**  
Northwest Power, Inc.

Northwest Power  
Milwaukie, OR  
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cstmN\_C001

# Communications

## Portable Communications Equipment

INPUT (AC)	85 – 264 Vac, PFC
INPUT (DC)	Factory-configurable, 10 – 200 Vdc
OUTPUT	Two factory-configurable DC outputs
TOTAL POWER	Up to 900 Watts
WEIGHT	6.6 lbs.
DIMENSIONS	10.5" x 7.0" x 1.68"
OPERATING TEMP.	-20°C to +70°C
COOLING	Internal fans
COMPLIANCE	<ul style="list-style-type: none"><li>• EN60950</li><li>• CE Mark</li></ul>



PB1002PFCDC

*Dual-input power supply for applications requiring operation from a variety of available power sources.*

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# Communications

## Outdoor Satellite Transceiver

INPUT	90 – 264 Vac, 50 / 60 Hz, PFC
OUTPUT	Two factory-configurable DC outputs
TOTAL POWER	1,000 Watts @ 230 Vac
WEIGHT	6.7 lbs.
DIMENSIONS	13.5" x 6.5" x 2.0"
OPERATING TEMP.	-30°C to +80°C
COOLING	Conduction
COMPLIANCE	<ul style="list-style-type: none"><li>• cTÜVus</li><li>• EN60950</li><li>• CE Mark LVD</li><li>• EN61000-3-2</li></ul>
OTHER	Optional output bus bars



**PBC1002PFC**

*Dual-output, conduction-cooled power supply with universal input and power factor correction.*

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# Communications

## Satellite Transceiver

IN PUT	115/230 Vac, Autoranging
OUTPUT	Two factory-configurable DC outputs
TOTAL POWER	<ul style="list-style-type: none"><li>• 800 Watts @ 115 Vac</li><li>• 1,000 Watts @ 230 Vac</li></ul>
WEIGHT	6.25 lbs.
DIMENSIONS	9.0" x 7.38" x 2.5"
OPERATING TEMP.	-30°C to +70°C
COOLING	Internal fans
COMPLIANCE	<ul style="list-style-type: none"><li>• cTÜVus</li><li>• CE Mark</li><li>• EN60950</li></ul>
OTHER	Outputs through Molex Mini-Fit Sr. connectors or optional bus bars. Optional finned heat sink available.



PBC1002AC

*Autoranging 115/230 Vac input with up to two factory-configurable DC outputs with total power of 1,000 W. Coldplate cooling or optional finned heat sink for convection cooling.*

# Communications

## Cellular Base Station

IN PUT	24 Vdc or 48 Vdc
OUTPUT	Single factory-configurable output, up to 48 Vdc
TOTAL POWER	1,000 Watts
WEIGHT	3.5 lbs.
DIMENSIONS	13.05" x 4.14" x 1.6"
OPERATING TEMP.	-25°C to 55°C
COOLING	Internal fans
COMPLIANCE	EN60950
OTHER	Load sharing and N+1 redundancy



*N+1 redundant Hot-Swap  
1U power supply.*

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# Transportation

## Hybrid Electric Vehicle

INPUT	Factory configurable, 100 – 425 Vdc
OUTPUT	Single factory-configurable output, 12 – 48 V
TOTAL POWER	Up to 1,800 Watts
WEIGHT	8 lbs.
DIMENSIONS	9.0" x 9.0" x 3.5"
OPERATING TEMP.	-40°C to +80°C
COOLING	Liquid



PBC1801DC

*This power supply is used to convert high voltage from the vehicle's main battery to a low voltage compatible with the vehicle's electrical and electronic systems.*

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# Transportation

## Sea Ferry Rudder Control System

INPUT	24 Vdc
OUTPUT	24 Vdc
TOTAL POWER	5,400 Watts
WEIGHT	50 lbs.
DIMENSIONS	24" x 14" x 5.5"
OPERATING TEMP.	-20°C to +40°C
COOLING	Natural convection



4912

*Isolated power supply for a safety-critical rudder control system. The complete power supply enclosure incorporates three redundant power supplies, each providing additional levels of triple-redundancy, including multiple redundant inputs and multiple redundant power paths.*

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# Industrial

## Test Equipment, Semiconductor Fabrication

INPUT	85 – 264 Vac, 50/60 Hz, PFC
OUTPUT	Six factory-configurable DC outputs
TOTAL POWER	1,500 Watts @ 230 Vac
WEIGHT	14 lbs.
DIMENSIONS	16.84" x 12.6" x 1.75"
OPERATING TEMP.	-20°C to +50°C
COOLING	Internal fans
COMPLIANCE	<ul style="list-style-type: none"><li>• EN6100-3-2</li><li>• EN60950</li><li>• CE Mark LVD</li></ul>
OTHER	SEMI F47 compliant when operated at 208 Vac



PB1506PFC

*This low profile (1U) AC or DC input power supply offers up to six main output voltages with total power of 1.5 kW and two low power auxiliary outputs of 5 or 12 Vdc.*

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# Industrial

## Test Equipment, Semiconductor Fabrication

INPUT (AC)	<ul style="list-style-type: none"><li>• 85 – 264 Vac, 50 / 60 Hz, PFC</li><li>• 180 – 264 Vac, Three-phase</li></ul>
INPUT (DC)	250 – 425 Vdc
OUTPUT	Six factory-configurable DC outputs
TOTAL POWER	3,600 Watts @ 230 Vac
WEIGHT	15 lbs.
DIMENSIONS	17" x 19" x 1.75"
OPERATING TEMP.	-20°C to +50°C
COOLING	Internal fans
COMPLIANCE	<ul style="list-style-type: none"><li>• EN6100-3-2</li><li>• EN60950</li><li>• CE Mark LVD</li></ul>
OTHER	SEMI F47 compliant when operated at 208 Vac



**PB3606PFC**

*This low profile (1U) AC or DC input power supply offers up to six output voltages with total power of 3.6 kW. Each output can be individually enabled/disabled.*

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# Industrial

## Semiconductor Fabrication

INPUT	Three-phase, 208 Vac, PFC
OUTPUT	Twenty-four, individual factory-configurable DC outputs
TOTAL POWER	6,000 Watts
WEIGHT	45 lbs.
DIMENSIONS	24" x 22" x 6.97"
OPERATING TEMP.	0°C to +50°C
COOLING	Internal fans
COMPLIANCE	<ul style="list-style-type: none"><li>• SEMI F47 compliant</li><li>• EN6100-3-2</li><li>• EN60950</li><li>• CE Mark</li></ul>



**PB1004PFC\_system**

*Custom chassis populated with six standard PB1004PFC power supplies. Includes customized AC and DC power distribution panel.*

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# Industrial

## Semiconductor Fabrication

INPUT	85 – 264 Vac, PFC
OUTPUT	Four factory-configurable DC outputs
TOTAL POWER	1000 Watts @ 230 Vac
WEIGHT	5.5 lbs.
DIMENSIONS	10.28" x 9.08" x 1.74"
OPERATING TEMP.	-20°C to +50°C
COOLING	Internal fans
COMPLIANCE	<ul style="list-style-type: none"><li>• SEMI F47 compliant when operated at 208 Vac</li><li>• EN6100-3-2</li><li>• EN60950</li><li>• CE Mark</li></ul>



**PB1004PFC**

*This universal AC input power supply has active power factor correction and is compliant to the input harmonics of EN6100-3-2. Available with up to four factory-configurable DC outputs, with a total power of 1 kW.*

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# Industrial

## Process Control Equipment

INPUT	115 / 230 Vac, 50 / 60 Hz
OUTPUT	Three factory-configurable DC outputs
TOTAL POWER	300 Watts
WEIGHT	1.5 lbs.
DIMENSIONS	6.7" x 3.9" x 1.4"
OPERATING TEMP.	-20°C to +70°C
COOLING	System forced air
COMPLIANCE	<ul style="list-style-type: none"><li>• EN60950</li><li>• cTUVus</li><li>• CE Mark LVD</li></ul>



**EC303AC**

*EuroRack 8HP three factory-configurable DC output power supply for industrial applications.*

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# Industrial

## Industrial Applications

INPUT	115 / 230 Vac, 50 / 60 Hz
OUTPUT	Five factory-configurable DC outputs
TOTAL POWER	1,000 Watts @ 230 Vac
WEIGHT	6.6 lbs.
DIMENSIONS	10.5" x 7.0" x 1.68"
OPERATING TEMP.	-20°C to +50°C
COOLING	Internal fans
COMPLIANCE	<ul style="list-style-type: none"><li>• cTÜVus</li><li>• EN60950</li><li>• CE Mark LVD</li><li>• EN55022, Class A, Conducted</li></ul>
OTHER	Rack-mount options



**PB1005AC**



*Flexible and compact AC-DC power supply suitable for a variety of industrial applications and 19" rack installation.*

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# Industrial

## Manufacturing Equipment

INPUT	85 – 264 Vac
OUTPUT	375 Vdc
TOTAL POWER	4,000 Watts @ 230 Vac
WEIGHT	5 lbs.
DIMENSIONS	8.5" x 7.0" x 4.75"
OPERATING TEMP.	-25°C to +50°C
COOLING	Internal fans
COMPLIANCE	<ul style="list-style-type: none"><li>• cTÜVus</li><li>• EN60950</li><li>• CE Mark LVD</li><li>• EN61000-3-2</li></ul>
OTHER	Output short-circuit protection



**PT4001PFC**

*High-power PFC front end for supplying bulk power in a variety of industrial applications.*

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# Industrial

## Power Substation Supervisory Controls

INPUT (AC)	115 / 230 Vac, 50 / 60 Hz
INPUT (DC)	Factory-configurable, 36 – 400 Vdc
OUTPUT	Two factory-configurable DC outputs
TOTAL POWER	600 Watts
WEIGHT	12 lbs.
DIMENSIONS	17" x 9.57" x 4.87"
OPERATING TEMP.	-20°C to +50°C
COOLING	Natural convection
COMPLIANCE	EN60950
OTHER	Dual input redundancy



**RG1202ACDC**

*Power supply designed for applications requiring very long operational life, reliability and power source redundancy.*

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# Industrial

## Semiconductor Manufacturing Equipment

INPUT	Three-phase, 208 Vac
OUTPUT	12 – 24 Vdc
TOTAL POWER	3,240 Watts
WEIGHT	47 lbs.
DIMENSIONS	14" x 17" x 5.5"
OPERATING TEMP.	0°C to +45°C
COOLING	Internal fans
COMPLIANCE	EN60950
OTHER	Custom AC and DC distribution panel



*This multi-output power supply is designed to fit into the base of large semiconductor manufacturing equipment and provides power for multiple tools requiring individual power rails.*

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cstmN\_I009

# Industrial

## Semiconductor Manufacturing

INPUT	Three-phase, 208 Vac
OUTPUT	Thirty-two individual, factory-configurable DC outputs
TOTAL POWER	7,500 Watts
WEIGHT	60 lbs.
DIMENSIONS	30" x 17" x 8.0"
OPERATING TEMP.	0°C to +50°C
COOLING	Internal fans
COMPLIANCE	EN60950
OTHER	Custom DC and AC distribution panel



*Custom power supply designed for semiconductor manufacturing equipment. Incorporates customer-specified input/output connectors and status monitoring functions.*

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# Industrial

## High-Speed Electronic Components Testing

INPUT	208 / 230 Vac, PFC
OUTPUT	Four channels: 1 – 600 Vdc user configurable via control input
TOTAL POWER	1,200 Watts
WEIGHT	12 lbs.
DIMENSIONS	24" x 14" x 2.5"
OPERATING TEMP.	0°C to +35°C
COOLING	System airflow
COMPLIANCE	EN60950



*Specialized power supply with a very wide range of output voltages configurable in real time by the host system.*

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# Industrial

## Industrial Control System

INPUT	Factory-configurable, 10 – 200 Vdc
OUTPUT	Five factory-configurable DC outputs
TOTAL POWER	Up to 1,000 Watts
WEIGHT	6.6 lbs.
DIMENSIONS	10.5" x 7.0" x 1.68"
OPERATING TEMP.	-20°C to +70°C
COOLING	Internal fans
COMPLIANCE	<ul style="list-style-type: none"><li>• EN60950</li><li>• CE Mark LVD</li></ul>
OTHER	Optional rack-mounting shelf, optional output bus bars



**PB1005DC**

*This versatile five factory-configurable DC output power supply can operate at a variety of input voltage ranges. The form-factor is compatible with the PB1005AC family.*

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# Data Processing

## Fault Tolerant Server

INPUT	36 – 72 Vdc
OUTPUT	12, 48 Vdc
TOTAL POWER	1,050 Watts
WEIGHT	5 lbs.
DIMENSIONS	13.5" x 5.0" x 2.75"
OPERATING TEMP.	0°C to +55°C
COOLING	Internal fan
COMPLIANCE	<ul style="list-style-type: none"><li>• cTÜVus</li><li>• EN60950</li></ul>
OTHER	Redundant with current sharing



*N+1 Redundant DC-DC power supply for high-demand fault-tolerant server.*

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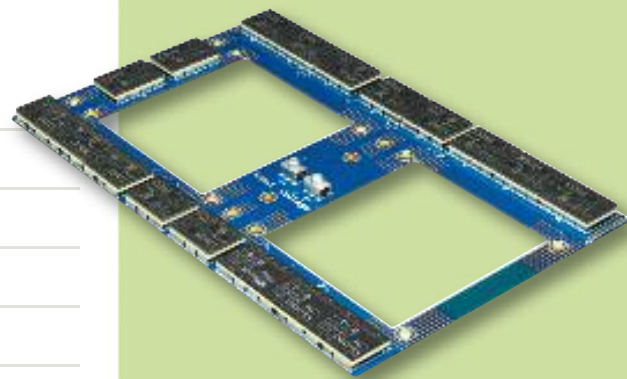
cstmN\_DP001



# Data Processing

## High-Speed Hardware Emulation System

INPUT	48 Vdc
OUTPUT	<ul style="list-style-type: none"><li>• 1.1 V @ 800 Amps</li><li>• 1.2 V @ 100 Amps</li><li>• 1.8 V @ 100 Amps</li></ul>
TOTAL POWER	1,000 Watts
WEIGHT	1 lb.
DIMENSIONS	11" x 7.0" x 1.0"
OPERATING TEMP.	0°C to +60°C
COOLING	System air or system liquid



*V•I Chip based high-density power supply for high-performance multi-chip modules.*

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# Aerospace & Defense

## Ground Vehicle

INPUT	20 – 32 Vdc
OUTPUT	24 dc @ 200 Watts, 2 – 15 Vdc @ 100 Watts
TOTAL POWER	400 Watts
WEIGHT	6 lbs.
DIMENSIONS	6.25" x 6.0" x 3.05"
OPERATING TEMP.	-40°C to +50°C
COOLING	Natural convection
COMPLIANCE	<ul style="list-style-type: none"><li>• MIL-STD-810F (shock &amp; vibration, humidity, water tightness, dust and sand)</li><li>• MIL-STD461E(EMI): CE102, CS114, CS115, CE101, CS101, CS116, RE102</li><li>• MIL-STD-1275B (Input transient)</li></ul>



7912

*Sealed DC-DC power adapter for ground vehicle applications.*

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cstmN\_AD001

# Aerospace & Defense

## Ground-based Communication Equipment

INPUT	115 Vac, 50 / 60 Hz
OUTPUT	Six factory-configurable DC outputs
TOTAL POWER	4,000 Watts
WEIGHT	145 lbs.
DIMENSIONS	19" x 23" x 6U
OPERATING TEMP.	0°C to +32°C
COOLING	Internal fans
COMPLIANCE	UL1950
OTHER	Four redundant Hot-Swap power modules with six-channel forced load sharing



2099

*High-power, high-current,  
multi-output redundant  
AC-DC power supply.*

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