

# D: ) \$\$\$ #D: %\$\$\$ SERIES

5 C/DC Power Modules: ) \$\$r %00 watts



## Features

- Wide input: 85~265VAC
- Output power: 500W and 1500W modules
- 360VDC output PF series
- 280VDC output PR series
- Power factor corrected @ 0.95 PF series
- Conforms to IEC1000-3-2 harmonics PF series
- Wide baseplate operating temperature -20°~85°C
- Parallel and n+1 operation
- Fully isolated output
- International safety approvals and CE marked
- OVP and overtemperature protection
- Fully encapsulated, suitable for harsh environments
- Suitable for a wide range of industrial applications

MODEL	Input VAC	Output VDC	A	Power W
PF500A - 360	100~240V	360V	1.4A	500W
PF500A - 360	200~240V	360V	2.1A	756W
PF1000A - 360	100~240V	360V	2.8A	1008W
PF1000A - 360	200~240V	360V	4.2A	1512W
<del>PR500 - 280</del>	<del>100 - 115V</del>	<del>280V</del>	<del>2.1A</del>	<del>500W</del>
<del>PR500 - 280</del>	<del>200 - 240V</del>	<del>280V</del>	<del>3.1A</del>	<del>750W</del>

- PF universal input with power factor correction
- PR110/240VAC link selectable
- PR500 Obsolete Sept 2010

Instruction manual, application notes and further technical information available from our website: [www.amtex.com.au](http://www.amtex.com.au)

## Specifications

<b>INPUT VOLTAGE:</b>	<b>PF Series:</b> 85~265VAC (nominal) <b>PF Series:</b> 85~255VAC with PFC <b>PR Series:</b> 85~132/170~264VAC (Selectable)
<b>FREQUENCY:</b>	47~63Hz
<b>OUTPUT VOLTAGE:</b>	PR modules: 280VDC (230~370) PF modules: 360VDC (350~370)
<b>OUTPUT POWER:</b>	PF500A: 500W @ 100 ~ 265VAC, 750W @ 170 ~ 265VAC PF100A: 1000W @ 100 ~ 265VAC, 1500W @ 170 ~ 265VAC PR500: 500W @ 100 ~ 132VAC, 750W @ 170 ~ 265VAC
<b>EFFICIENCY:</b>	90% at 100VAC and 94% at 240VAC
<b>POWER FACTOR:</b>	0.95 at 100V/200VAC and full load, PF models only
<b>INRUSH CURRENT:</b>	Inrush current limiting circuit via internal resistor
<b>PARALLEL OPERATION:</b>	Via current balancing (PC terminal), PF models only
<b>COOLING:</b>	Conduction cooling by external heatsink and air flow
<b>OPERATING TEMPERATURE:</b>	Baseplate temperature -20°C to +85°C
<b>ISOLATION:</b>	Input - output: 3000VAC Input - baseplate: 2500VAC Output - baseplate: 500VAC
<b>SAFETY:</b>	Approved to UL1950, EN60950, CSA
<b>OVP:</b>	PF models only, inverter shutdown
<b>OVERTEMP. PROTECTION:</b>	PF models only, inverter shutdown limits current to a safe level
<b>INVERTER GOOD:</b>	PF models provide an inverter good signal at the IOG terminal
<b>ENABLE OUTPUT:</b>	PR models only, the ENA terminal provides the control to the DC-DC converters during start-up for proper start-up
<b>DC OUTPUT GOOD:</b>	PR models only, a low voltage sense is provided to monitor the DC output voltage
<b>AC POWER FAIL:</b>	PR models only, ACF terminal monitors AC failure
<b>AUXILIARY SUPPLY:</b>	PF models: an auxiliary bias supply 12 - 18V @ 10mA which can be used to power interface circuits/optocouplers
<b>EXTERNAL COMPONENTS: (Required)</b>	Hold-up capacitors, in-rush current limiting, input fuse, EMI filter and heatsink
<b>DIMENSIONS:</b>	PF500A: 86 x 83 x 12.7mm PF1000A: 146 x 86 x 12.7mm PR500: 86 x 83 x 12.7mm

# D: ) \$\$\$ #D: %\$\$\$ SERIES

5 C/DC Power Modules: ) \$\$r %00 watts

