



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## 500 to 1500W Power Factor Correction Modules

### Features

- ◆ Suitable for use in Custom Power Supplies
- ◆ Parallel operation
- ◆ 0.5" profile
- ◆ Power Factor Corrected
- ◆ Operation up to 85°C



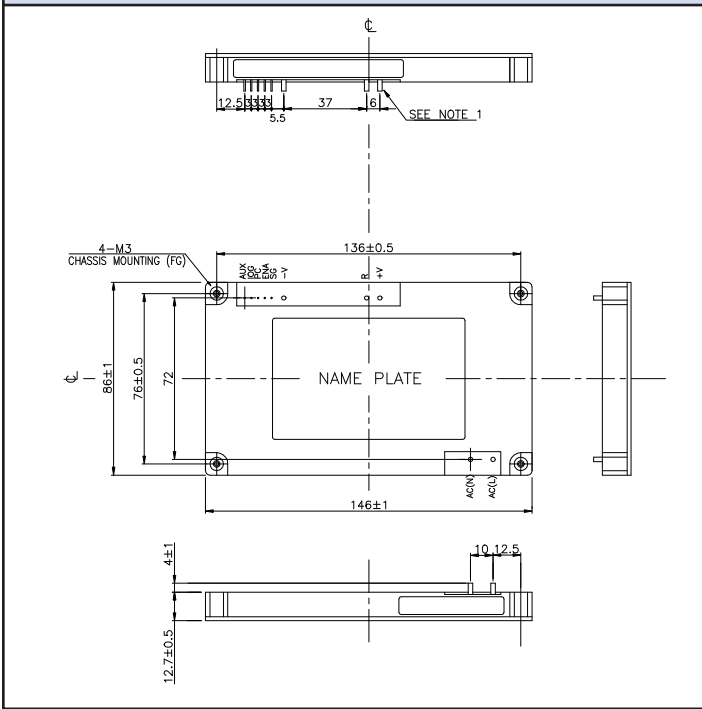
### Key Market Segments & Applications



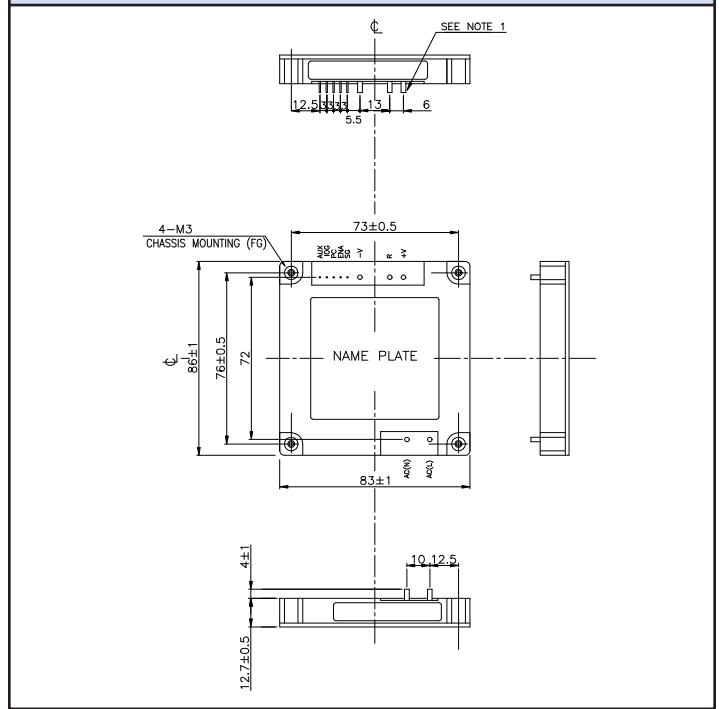
Specifications			
Model		PF500A-360	PF1000A-360
AC Input Voltage range & Frequency	VAC	85-265 wide range	
Input Frequency	-	47 - 63Hz	
Output Voltage	VDC	360	
Output Power at 100/200VAC	W	504/756W	1008/1512W
Load Regulation	-	10V	
Line Regulation	-	5V typical	
Inrush Current	-	External pins provided connection for in rush resistor	
Efficiency (typ) at full load	%	90% (100VAC), 95% (200VAC)	
Power Factor	-	Meets EN61000-3-2 (0.95 typical)	
Overcurrent Protection	-	Converter shutdown	
Overvoltage Protection	V	390 - 400VDC, manual reset	
Thermal Shutdown	-	Shuts down Inverter, manual reset	
AC Fail Signal	-	-	
Inverter Good Signal	-	Yes, when inverter is operating correctly	
Enable Signal	-	Signal provided to enable "PH" DC-DC converters	
Parallel Connection	-	Single wire current share	
Auxiliary Output Voltage	-	Yes - see installation manual	
Operating Baseplate Temperature	°C	-20 to +85°C (no derating)	
Storage Temperature	°C	-40 to +85	
Cooling	-	Conduction (see installation manuals for heatsinks)	
Withstand Voltage	-	Input - Ground 3kVAC for 1 min	
Safety Agency Approvals	-	UL60950-1, CSA22.2 No.60950-1, EN60950-1, & CE Mark	
Weight	g	130	200
Size (WxHxD)	mm	See output line drawings	
Warranty	yrs	Two Years	

Notes: Consult Installation Manual for detailed specifications, test methods and application notes

## Outline Drawing PF1000A



## Outline Drawing PF500A



## Other Industrial Products

PFE	300 to 1000W AC-DC power module
PH-A	50 to 150W DC-DC Converters
PAF	400 to 600W Full brick DC-DC Converters

For Additional Information, please visit  
[us.tdk-lambda.com/lp/products/pr-pf-series.htm](http://us.tdk-lambda.com/lp/products/pr-pf-series.htm)

