

PAF**LAMBDA** 

An Invensys company

**500**
WATTS
DC/DC CONVERTER
SINGLE OUTPUT**Excellent dynamic response****Compact design****Wide range input****'Full brick' module****Adjustable output voltage****Remote on/off****Parallel operation****Guarantee 2 years****INPUT**

Input voltage range	36-76VDC
Max input current	output 3.3V : 7.3A output 5V : 10.4A output 12V : 12.2A output 28V : 12.1A

OUTPUT

Output voltage range	output 3.3V & 5V : -40%/+20% output 12V & 28V : -40%/+10%
Line regulation	output 3.3V & 5V : 10mV output 12V : 24mV output 28V : 56mV
Load regulation	output 3.3V & 5V : 10mV output 12V : 24mV output 28V : 56mV
Ripple & noise (value peak to peak)	output 3.3V & 5V : 100mV output 12V : 200mV output 28V : 280mV
Overcurrent protection	105% - 140%
Overvoltage protection	output 3.3V : 130% - 160% output 5V : 125% - 145% output 12V&28V : 115%&135%

GENERAL

Overtemperature protection	Shutdown 105°C and 130°C auto restart when unit cools
Efficiency	78% to 90% model dependent
Cooling	conduction
Voltage isolation	input-output:1.5KVDC (1min) input-ground:1.5KVDC output-ground:500VDC (1min)
Isolation resistance	>100<Mohm to 25°C
Remote control	Inhibit/enable

ENVIRONMENTAL

Operating temperature	-40°C to +100°C (Baseplate)
Ambient temperature	-40°
Shock	196.1m/s ²
Vibration	10-55Hz (sweep 1 minute)

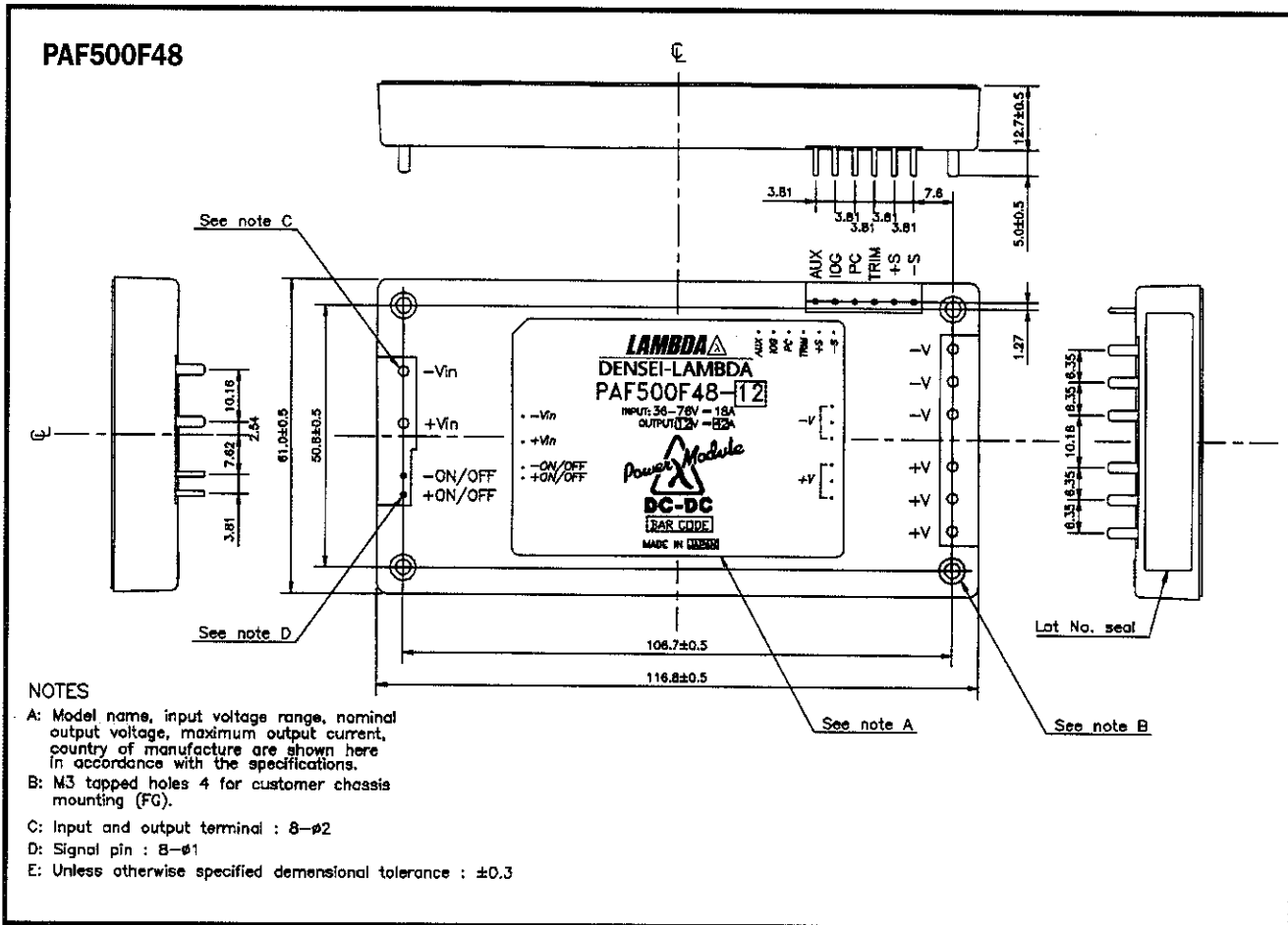
TABLE OF MODELS

Model Name	Output voltage	Output current	Output power	UL	CSA	EN
PAF500F48 (input 48VDC)	PAF500F48-3.3	3.3V	80A	264W	Δ	Δ
	PAF500F48-5	5V	80A	400W	Δ	Δ
	PAF500F48-12	12V	42A	504W	Δ	Δ
	PAF500F48-28	28V	18A	504W	Δ	Δ

• Request customer specification for further details of specifications, outline characteristics, etc. Read the instruction manual before usage.

Δ: Will be applied soon

PHYSICAL SPECIFICATION



Series PAF

LAMBDA 
An Invensys company

EDITION 2001