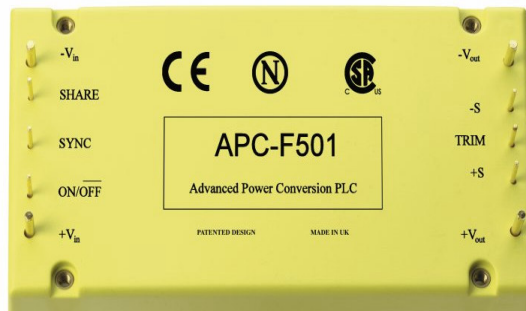


**500 Watt Single Output Converter, (Base Plate Cooled Full Brick).**

- 18~36 or 36~75 VDC Input
- Fixed Frequency/Synchronization
- Remote Sense / Remote On/Off
- Very High Efficiency >90%
- Over Current/Over Voltage & Over Temperature Protection
- Single Wire Current Share
- Standard Full Brick Footprint
- Low Input And Output Ripple



**Description.**

The F501 series of 500 Watt DC input base plate cooled modules are designed as stand alone converters or to be used as building blocks in higher power DC to DC systems where their class leading efficiency, fixed switching frequency and low input and output ripple & noise are key benefits. The modules are fully isolated and offer a number of useful standard features such as synchronization, output trim, remote on/off, current share, internal thermal monitoring and output current monitor.

*Other Converters From 0.5 To 600 Watts Can Be seen Listed at [www.allpsu.co.uk](http://www.allpsu.co.uk)*

**Specification.**

Input Voltage	24 Volts (18~36) / 48 Volts (36~75) DC
Output Voltage	See Table Below (plus trim range -40 / +10%)
Efficiency	>90% Depending On Output Voltage
Switching Frequency	Fixed 300KHz
Line Regulation	+/-1mV Over Full Range @ Full Load
Load Regulation	+/-1mV Over Full Range
Current Limit	120% (+ Crowbar Short Circuit Protection)
Power Sharing Accuracy	5% @ Full Load
Isolation	I/P-O/P 1500 Volts
Operating Case Temperature	-25~+100*C
Storage Temperature	-55~+125*C
MTBF (calculated)	1.15 Million Hours
Size	117 x 61 x 12.7mm (Plus Pins)

Model	Input Voltage	Output Voltage	Output Current
APC-F501-024-120	18~36 VDC	12 Volts	41.7 Amps
APC-F501-024-150	18~36 VDC	15Volts	33.3 Amps
APC-F501-024-240	18~36 VDC	24 Volts	20.8 Amps
APC-F501-024-280	18~36 VDC	28 Volts	17.8 Amps
APC-F501-024-480	18~36 VDC	48 Volts	10.4 Amps
APC-F501-048-120	36~75 VDC	12 Volts	41.7 Amps
APC-F501-048-150	36~75 VDC	15 Volts	33.3 Amps
APC-F501-048-240	36~75 VDC	24 Volts	20.8 Amps
APC-F501-048-280	36~75 VDC	28 Volts	17.8 Amps
APC-F501-048-480	36~75 VDC	48 Volts	10.4 Amps

(Other Output Versions May Be Available For OEM Applications)

For full specification and mechanical drawing please contact ALL PSU sales office.

Specifications are subject to change without notice. E&OE.

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