

ALL PSU DATA SHEET.

200 Watt Triple Output Converter.

- * 18~36 or 36~75 Volts DC Input
- * Remote Sense / Remote On/Off
- * High Efficiency
- * Fixed Frequency / Synchronisation
- * Flexible Output Power Sharing
- * Single Wire Current Share
- * Standard Full Brick Footprint
- * Low Input And Output Ripple
- * Over / Under Voltage & Short Circuit Protected



Description.

The F203 series of 200 Watt DC to DC converters offer three outputs from a wide DC input based around a nominal 24 or 48 Volts DC supply. The units are base-plate cooled for fitment of an optional heatsink or can be fitted to a “cold wall” for chassis mounting. They can be used as stand alone converters or as building blocks in higher power DC-DC systems where their unique design, high efficiency, fixed switching frequency and low input and output ripple and noise are key benefits. The modules are fully isolated and offer a number of useful standard features such as output trim, remote on/off, current share, plus internal thermal and output current monitoring.

Specification.

Input Voltage	24 Volts (18~36) / 48 Volts (36~75) DC
Output Voltage	See Table Below (+ Trim on O/P 1)
Efficiency	>83%
Switching Frequency	Fixed 300 KHz (+ Sync Facility)
Line Regulation	0.1% Over Full Range @ Full Load (O/P1)
Load Regulation	0.1% Over Full Range (O/P 1)
O/P 2 & 3 Regulation	Semi Regulated From Output 1
Current Limit	>110% Of O/P1 Rating
Isolation	Input-Output 1500 Volts
Operating Case Temperature	-25~+85°C
Storage Temperature	-55~+125°C
MTBF	Calculated 1 Million Hours
Size	117 x 61 x 12.7mm (plus pins)

Optional Screw Terminal Adaptor is Available For This Range.

Further DC-DC Converters From 0.5 to 600 Watts Can Be seen At www.allpsu.co.uk

Model	Input Voltage	Output 1	Output 2	Output 3
APC-F203-024-050-120-120	18~36 VDC	5 V / 20 A	12 V / 4.2 A	12 V / 4.2 A
APC-F203-024-050-150-150	18~36 VDC	5 V / 20 A	15 V / 3.3 A	15 V / 3.3 A
APC-F203-048-050-120-120	36~75 VDC	5 V / 20 A	12 V / 4.2 A	12 V / 4.2 A
APC-F203-048-050-150-150	36~75 VDC	5 V / 20 A	15 V / 3.3 A	15 V / 3.3 A

Single Output Versions at 200 & 500 Watts are also Available In This Range.

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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