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# IP-S Series FF

TFX 12V V2.31

## Features

- Multiple +12V Output
- Smart Thermal Control to Balance Noise & Cooling
- 80mm Cooling Fan
- MTBF 100KHRs @ 25°C per MIL-STD-217D/F
- Operating Ambient +10°C Minimum to +40°C Maximum
- Meets Intel® Haswell Processors
- ErP Lot 6 Compliant (IP-SxxxFF7-2 Only)

## Safety

IP-SxxxFF1-0



IP-S250/300FF1-0



IP-SxxxFF7-2



IP-SxxxFF7-0



## Dimensions

85(W) X 175(L) X 65(H) mm



IP-SxxxFF7-2

IP-S250FF1-0

IP-S300FF1-0

IP-SxxxFF7-2

IP-S200FF1-0

IP-SxxxFF7-0

## Specifications

Model No.	Max. Output	AC Input	PFC	Max. Output Current								
				+12V1	+12V2	+5V	+3.3V	-12V	5VSB/ Peak	MAX1	MAX2	MAX3
IP-S200FF1-0	200W	115/230V	N/A	14A	N/A	14A	13A	0.3A	2/2.5A	80W	168W	200W
IP-S250FF1-0	250W	115/230V	N/A	16A	16A	16A	16A	0.3A	2/2.5A	110W	216W	250W
IP-S300FF1-0	300W	115/230V	N/A	18A	18A	16A	16A	0.3A	2/2.5A	110W	240W	300W
IP-S300FF7-0	300W	230V	N/A	18A	18A	16A	16A	0.3A	2/2.5A	110W	240W	300W
IP-S250FF7-2	250W	100-240V	Active	16A	16A	16A	16A	0.3A	2/2.5A	110W	216W	250W
IP-S300FF7-2	300W	100-240V	Active	18A	18A	16A	16A	0.3A	2/2.5A	110W	240W	300W

\* MAX1: 5V & 3.3V Total Output

\* MAX2: +12V Total Output

\* MAX3: Total Output Power

## Connectors

Model No.	Connectors				
	24 Pin Main Power Connector	4+4 Pin +12V CPU Power Connector	4 Pin FDD Power Connector	Peripheral Power Connector	SATA Power Connector
IP-S200FF1-0	1	1	N/A	1	3
IP-S250FF1-0	1	1	1	1	3
IP-S300FF1-0	1	1	1	1	3
IP-S300FF7-0	1	1	N/A	1	3
IP-S250FF7-2	1	1	1	1	3
IP-S300FF7-2	1	1	1	1	3

\* The actual product is subject to change without prior notice. In Win Development Inc. reserves the right to make final modifications.