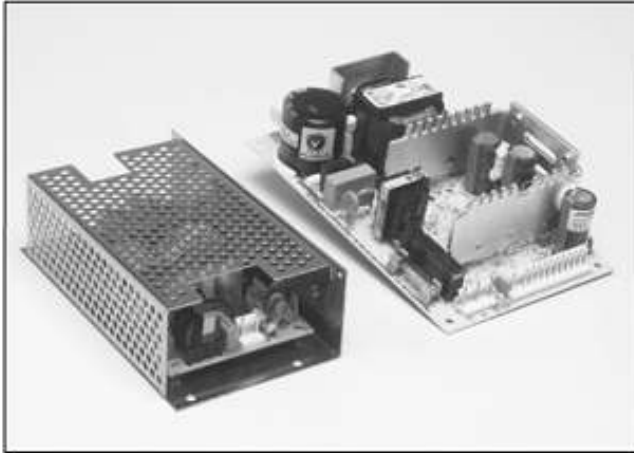


NFS SERIES

AC/DC Single & Multi Output: 25-110 Watts



Features

- Universal input 90 - 264 VAC
- Industry leader and field proven reliability over 15 years • Industry standard open frame package
- UL, EN, IEC safety approvals
- AS3260 safety approval NFS40 and NFS110
- Open frame or optional case assembly kit
- MFN series available with EN55022 level B conducted input emissions
- CE marked.
- Medical versions - consult office
- High MTBF typically 150,000 hours
- Natural convection cooling or fan cooled for high output power
- Operating temperature to 70°C
- Power Fail option on some NFS110 models
- **Consult office for detailed specification sheets on individual models.**

Dimensions & Mechanical Details

Model	Open Frame	Vented Case	Weight Open/Cased
NFS25	127 x 77 x 32mm	160 x 87 x 47mm	280g/420g
NFS40	127 x 77 x 32mm	160 x 87 x 47mm	280g/420g
NFS110	178 x 110 x 48mm	188 x 116 x 66mm	600g/1kg

Specifications

INPUT VOLTAGE:	90~264 VAC (120~370 VDC)
FREQUENCY:	47 - 440HZ
INPUT SURGE CURRENT:	Typically 35A @ 230 VAC input. Cold start.
LEAKAGE CURRENT: (110/230 VAC)	NFS25: 0.6mA/1mA NFS40: 0.13mA/0.32mA NFS110: 0.2mA/0.4mA
OUTPUT:	See table
OUTPUT VOLT. ADJUST:	±5% on singles and V1 on multi output models
LINE REGULATION:	±0.2% main output, ±1.0% auxilliary outputs
TOTAL REGULATION:	±2.% main output, ±5% auxilliary outputs
 RIPPLE & NOISE:	Typically ±1.0% V on all outputs
TEMP. CO-EFFICIENT:	±0.02% per °C all outputs
OVP:	On VI of multi output and on single output models
POWER LIMIT:	Maximum primary power limited: NFS25: @ 65W NFS40: @ 90W NFS110 @ 160W
SHORT CIRCUIT PROTECT:	Continuous on singles, short term on multi output
MINIMUM LOAD:	Minimum load required for regulation and to meet MTBF figures. Typically 4W on NFS25 & NFS40, 11 watt for NFS110
REMOTE SENSE:	No
EMC:	Conducted: EN55022 - A Radiated: EN55022 - B ESD Air & Contact: EN61000 - 4 Surge: EN61000 - 4 Fast Transients: EN61000 - 4 Immunity: EN61000 - 4
HOLD UP TIME:	Typically 80ms at 230 VAC
EFFICIENCY:	Model dependent 70 - 75%
ISOLATION:	Input- Output 3750 VAC Input - Chassis 1500 VAC Output - Chassis 500 VAC
SWITCHING FREQUENCY:	Variable 20 - 70 kHz
SAFETY:	IEC950, UL1950, EN60950
OPERATING TEMP:	0°C to 50°C convection cooled. Consult office for derating from 50°C to 70°C
HUMIDITY:	5% to 95% RH
ALTITUDE:	Operating 10,000 feet Non-operating 30,000 feet
CONNECTOR:	Input & output Molex type

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AC/DC Single & Multi Output: 25-110 Watts

MODEL	Output Voltage/Current				Power W	
					Convection Cooled	Forced Air Cooled
	V1	V2	V3	V4		
NFS25-7608	+5V @ 2A	+12V @ 1.5A	-12V @ 0.2A		25W	25W
NFS25-7628	+5V @ 3A	+12V @ 0.2A	-12V @ 0.2A		25W	25W
NFS25-7629	+5V @ 2A	+12V @ 1.5A			25W	25W
NFS40-7605	5V @ 8A				40W	50W
NFS40-7612	+12V @ 4A				40W	50W
NFS40-7615	+15V @ 3.3A				40W	50W
NFS40-7624	24V @ 2.0A				40W	50W
NFS40-7608	+5V @ 5A	+12V @ 2A	-12V @ 0.5A		40W	50W
NFS40-7628	+5V @ 5A	+12V @ 0.5A	-12V @ 0.5A		40W	50W
NFS40-7607	+5V @ 5A	+12V @ 2A	-5V @ 0.5A		40W	50W
NFS40-7610	+5V @ 5A	+15V @ 2A	-15V @ 0.5A		40W	50W
NFS110-7612	12-14V @ 9A				80W	110W
NFS110-7624	24-30V @ 4.5A				80W	110W
NFS110-7601P	+5V @ 10A	+12V @ 5A	-12V @ 1A	-5V @ 1A	80W	110W
NFS110-7602P	+5V @ 10A	+24V @ 4.5A	+12V @ 5A	-12V @ 1A	80W	110W
NFS110-7604P	+5V @ 10A	+15V @ 5A	-15V @ 1A	-5V @ 1A	80W	110W

