



FEATURES

- Smallest, fully-featured 60-watt power supply available
2.76 x 5.00 x 1.18 inches
- High power density
- U channel with optional cover
- Universal input
- Power factor corrected to IEC 1000-3-2
- UL1950/CSA22.2 No.950-951/EN60950/CE
- FCC/VDE Class B EMI filter
- Quad output, various output combinations
- Molex pin connector
- MTBF - over 400,000 hours

SPECIFICATIONS

INPUT

Voltage 90-264 VAC (continuous range)
Frequency 47-63 Hz

Current
Full Load 100 VAC - 0.75A (RMS)
200 VAC - 0.42A (RMS)
Inrush 120 VAC - 20A
(cold start) 240 VAC - 40A

Power Factor 98% (typ) at 115 VAC

OUTPUT

Rated Power 60 watts (convection cooled)
Efficiency 82-85% (typ)
Voltage See model selection table
Voltage Adjustment All outputs are fixed
Total Regulation Output 1 (main) ±5%
Output 2 ±10%
Output 3&4 ±5% These outputs are
3 terminal regulators.

Ripple & Noise (peak-to-peak)
Output 1 (5V) - 50mV
Output 2 (12V, 15V, 24V) - 1.5%
Output 3,4 (+/-12V, +/-15V, -5V) - 50mV
(measured at 25°C with a bandwidth
of 50 MHz)

Hold-up Time 10mS
(measured with an input of 90-264 VAC
and 100% rated output)

Converter Topology Resonant Converter
Operating Frequency 80-110 KHz

PROTECTION

Overvoltage Outputs 1&2 are protected against over-
voltage. The control circuit is preset so
the output voltage does not exceed the
following values:
Output Voltage 5 12 15 24
OVP Setpoint (max) 6 15 20 30
Outputs 3,4 which are three terminal
regulated are not overvoltage protected

Overload

All models are protected against
overload on the primary side.
Protection begins at 80W. Recovery
is automatic after removal of the
fault.

Common Mode Noise 1.5V (peak-to-peak)

Electrical Fast Transient/
Burst +/-2000V, 50nS to IEC 1000-4-4

ESD Tolerance +/-8KV to IEC 1000-4-2

Surge Tolerance { Input-Input +/-1KV to IEC1000-4-5
Input-Chassis +/-2KV to IEC1000-4-5

Susceptibility to Radio Frequency,
Electromagnetic Field 80-1000 MHz, 10V/m, 80%AM (1 KHz)
to IEC1000-4-3

Susceptibility to Radio Frequency,
Common Mode 0.15-80 MHz, 10V, 80%AM to IEC1000-4-6

INSULATION

All models meet the requirements of UL1950, CSA22.2 No. 950-951
and Leakage Current specifications.

Isolation Voltage
Primary-Frame Ground 1500 VAC
Primary-Secondary 3000 VAC
Secondary-Frame Ground 500 VDC

Insulation Resistance
Primary-Frame Ground 100 MΩ at 500 VDC
Primary-Secondary 100 MΩ at 500 VDC
Secondary-Frame Ground 100 MΩ at 500 VDC

ENVIRONMENT

Operating Temp. 0°C to + 60°C
(derated linearly above 50°C at 1W/°C)
Cooling Method Convection
Storage Temp. -30°C to + 85°C
Shock 10G
Vibration X, Y, Z 4.5G, 10 - 55 Hz, 0.75mm amplitude,
2 hours (non-operating)

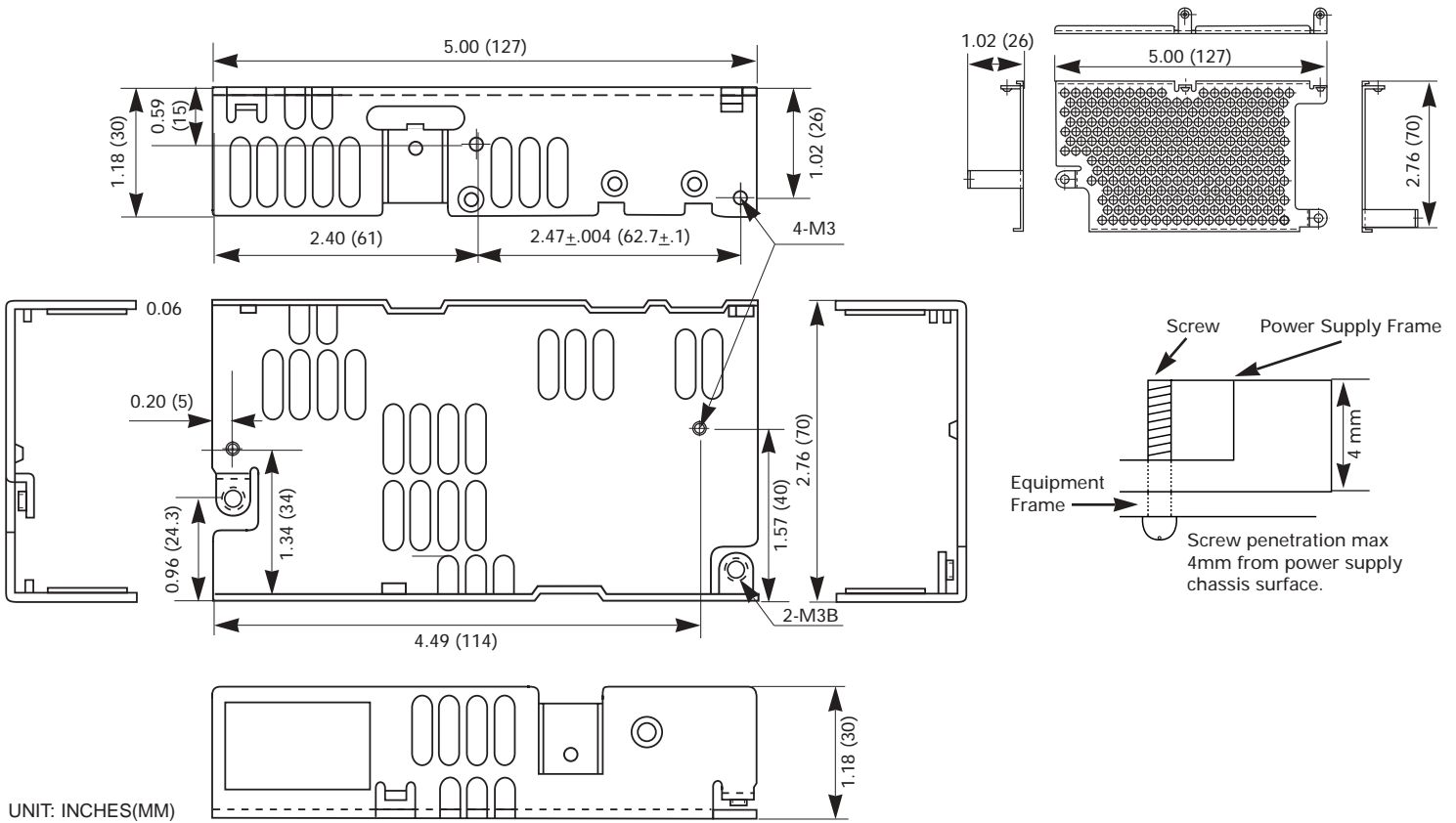
MODEL RATINGS

Model #	Output Rating							
	Output #1 (V1)		Output #2 (V2)		Output #3 (V3)		Output #4 (V4)	
FYX 600/61G-BDdb	5V	0-7A	+12V	0-3A(4Apk)	-12V	0-1A	-5V	0-1A
FYX 600/62G-BDDd	5V	0-7A	+12V(2)	0-3A(4Apk)	+12V	0-1A	-12V	0-1A
FYX 600/63G-BGEe	5V	0-7A	+24V	0-1.5A(2Apk)	+15V	0-1A	-15V	0-1A
FYX 600/64G-BGDd	5V	0-7A	+24V	0-1.5A(2Apk)	+12V	0-1A	-12V	0-1A
FYX 600/65G-BDDb	5V	0-7A	+12V	0-3A(4Apk)	+12V	0-1A	-5V	0-1A
FYX 600/66G-BEeb	5V	0-7A	+15V	0-2.5A(3Apk)	-15V	0-1A	-5V	0-1A

MECHANICAL SPECIFICATIONS

Size (W + D + H) 2.76 + 5.00 + 1.18 inches (70 + 127 + 30 mm)

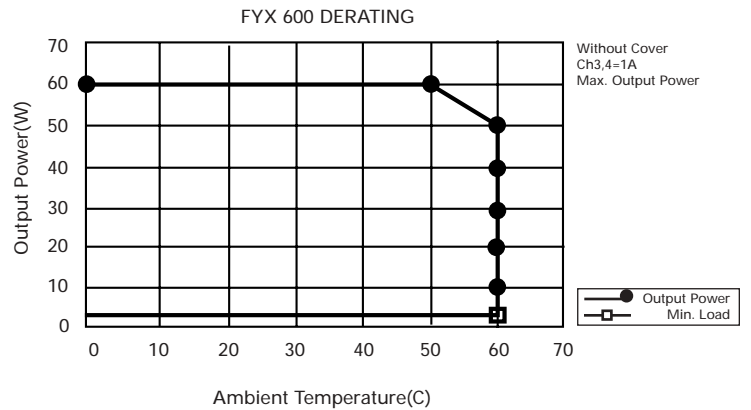
Weight 10oz.



All specifications are subject to change without notice.

CONNECTOR DESIGNATION

CN1	1	L	Connector:	Molex 41791 series
	2	NC		26-60-4030
	3	N	Mate:	Molex 2139 series
				09-50-7031
			Pin:	Molex 2478
CN2	1	Output 4	Connector:	Molex 41791 series
	2	Output 3		26-60-4080
	3	Output 2	Mate:	Molex 2139 series
	4	Common		09-50-7081
	5	+5v	Pin:	Molex 2478
	6	+5v		
	7	Common		
	8	Common		



Note: For derating information with a cover, please consult the factory.