

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

Shindengen America, Inc.



FEATURES

- Smallest, fully-featured 130-watt power supply available 4.00 x 6.20 x 1.34 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, terminal block
- MTBF - Over 400,000 hours

SPECIFICATIONS

INPUT

Voltage	90-264 VAC (continuous range)
Frequency	47-63 Hz
Current	
Full Load	100 VAC - 1.8A (RMS) 200 VAC - 1.0A (RMS)
Inrush (cold start)	120 VAC - 35A 240 VAC - 70A
Power Factor	98% (typ) at 115 VAC

OUTPUT

Rated Power	130 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) - 1% (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 — Outputs1&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 to a maximum of 160W. 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 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 5%/°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)

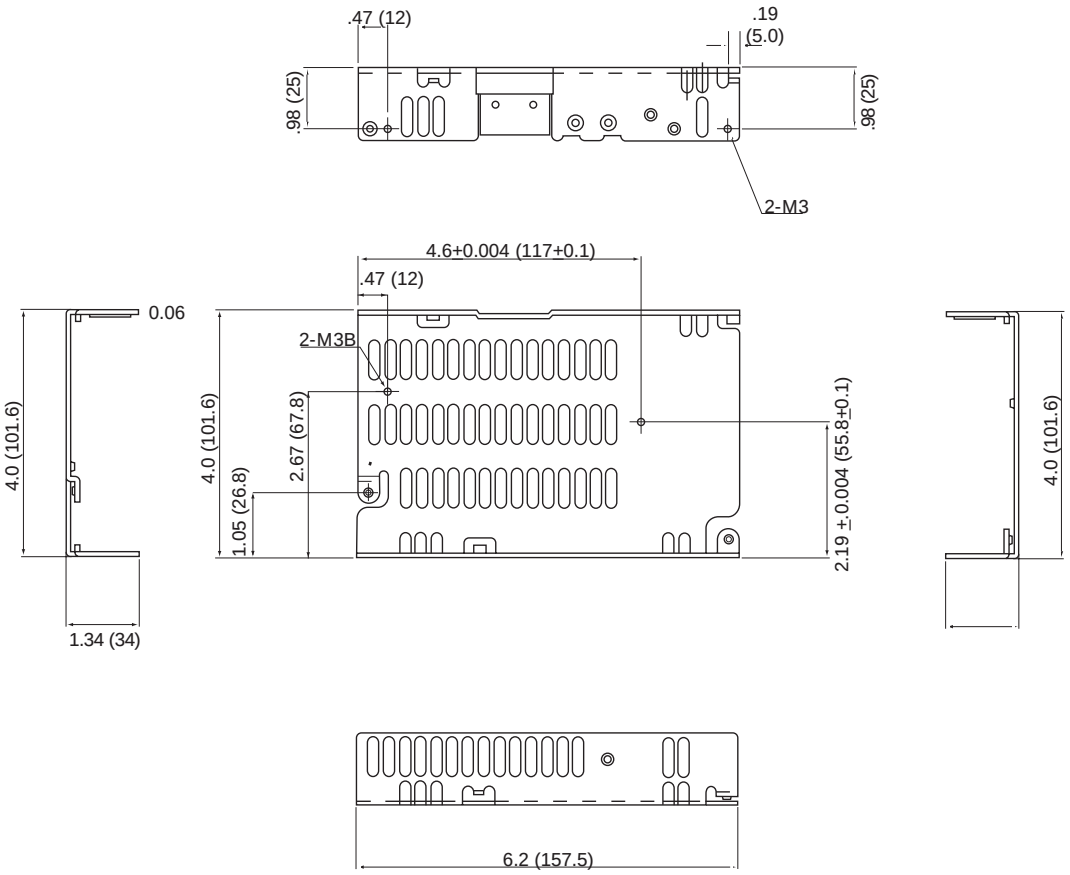
MODEL RATINGS

Model #	Output Rating							
	Output #1 (V1)		Output #2 (V2)		Output #3 (V3)		Output #4 (V4)	
FYX 131/61* - BDdb	5V	0-20A	+12V	0-6A(8Apk)	-12V	0-1A	-5V	0-1A
FYX 131/62* - BDDd	5V	0-20A	+12V(2)	0-6A(8Apk)	+12V	0-1A	-12V	0-1A
FYX 131/63* - BGEe	5V	0-20A	+24V	0-3A(4Apk)	+15V	0-1A	-15V	0-1A
FYX 131/64* - BGDd	5V	0-20A	+24V	0-3A(4Apk)	+12V	0-1A	-12V	0-1A
FYX 131/65* - BDDb	5V	0-20A	+12V	0-6A(8Apk)	+12V	0-1A	-5V	0-1A
FYX 131/66* - BEeb	5V	0-20A	+15V	0-4.8A(6.4Apk)	-15V	0-1A	-5V	0-1A
FYX 131/67* - BDGd	5V	0-20A	+12V	0-6A(8Apk)	+24V	0-1A	-12V	0-1A

*Insert "P"for molex pin version or "T"for terminal block version after model number.
Note: A minimum load of 2.5W is required on either Output 1 or Output 2 or as a combination of these Outputs.

MECHANICAL SPECIFICATIONS

Size (W + D + H) 4.00 x 6.20 x 1.34 inches (102 x 157 x 34 mm)



CONNECTOR DESIGNATION

Molex Pin Type

CN1	1	L	Connector:	Molex 41791 3 Pin
	2	NC		26-60-4030
	3	N	Mate:	Molex 2139 series/
				09-50-3031, Pin #2478
CN2	1	Common	Connector:	Molex 41791 8 Pin
	2	Common		26-60-4080
	3	Common	Mate:	Molex 2139 series/
				09-50-3081, Pin #2478
	4	Common		
	5	Output 1		
	6	Output 1		
	7	Output 1		
	8	Output 1		
CN3	1	Common	Connector:	Molex 41791 7 Pin
	2	Common		26-60-4070
	3	Output 2	Mate:	Molex 2139 series/
				09-50-3071, Pin #2478
	4	Output 2		
	5	Output 3		
	6	Common		
	7	Output 4		

Terminal Block Type

TB1	1	L		3mm screw type
	2	N		
TB2	8	Common		3mm screw type
	7	Common		
	6	Output 1		
	5	Output 1		
	4	Common		
	3	Output 2		
	2	Output 3		
	1	Output 4		

Power Fail	1	Gnd	Connector:	Molex 6373 3 Pin
CN4	2	Gnd		22-23-2031
	3	PF	Mate:	Molex 2695 series/
				22-01-2037, Pin #2759

All specifications are subject to change without notice.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP