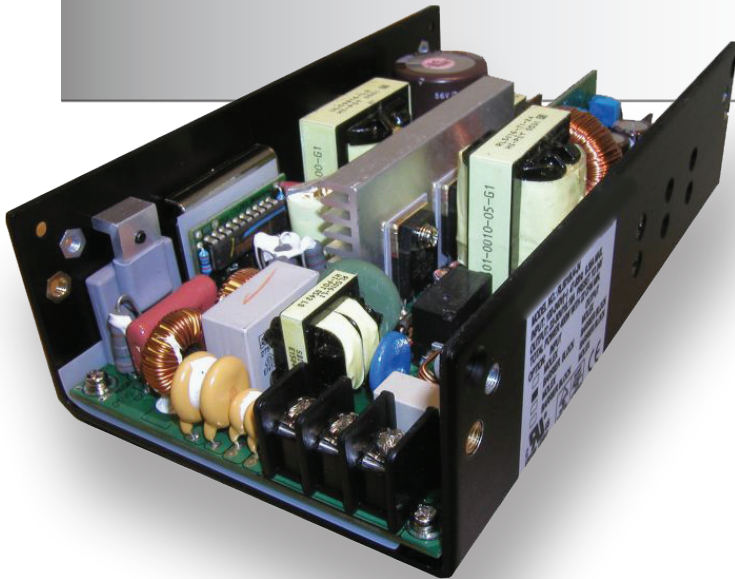


APS301Rx SERIES:



300 Watts / Single Output

- 7.00 x 4.00 x 2.00" U-Frame Package (Optional Cover)
- 8.00 x 4.00 x 2.00" End-Mount Man Package

Features:

- Universal AC Input
- Active Power Factor Correction
- U-Frame / End-Mount Fan Packages
- Remote Sense Function
- Remote on/off Control
- International Safety Approvals
- 2 Year Warranty

INPUT:

Input Voltage	90-264 VAC
Input Frequency	47-63Hz
Inrush Current	35A Max @ 230 VAC Cold Start
Input Current	5 @ 90 VAC Typical
Input Protection	Single 8A/250V Fuse
Hold-Up Time	20ms @ 80% Load / Minimum
Leakage Current	<1500µA @ 230 VAC
Power Factor	EN61000-3-2 Class D Compliant

GENERAL:

Efficiency	80% typical
Operating Temperature	0 to 50°C full load, derate 2.5% per °C to 70°C max.
Storage Temperature	-20°C to +85°C
Over-Temp Protection	>85°C Shutdown (Ambient)
Cooling	22CFM Required
Temp Co-Efficient	0.04% per °C
Operating Humidity	5-90% RH, Non-Condensing
Vibration	5 ~ 50 Hz, acceleration 7.35 m/s*s on X,Y and Z Axis
MTBF	>100k Hrs (according to MIL-HBK-217F) at 30°C

OUTPUT:

Minimum Load	1%
Line Regulation	±0.1% typ.
Load Regulation	±1% max
Ripple & Noise	±1% typ. pk-pk @ 20MHz
Overload Protection	110-140% of max power
Over Voltage	Latching at >130% of nominal
Adjustment Range	±5% minimum (see factory set point range)
Transient Response	recovers <2.5ms following a 50% load change
Overshoot	Turn-on & off overshoot < 5% over nominal voltage

EMC:

Electrostatic Discharge	EN61000-4-2, ±4KV Contact / ±8KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, ±2KV
Surges	EN61000-4-5, ±2KV Line-Earth, ±1KV Line-Line
Conducted Immunity	EN61000-4-6, 0.15-800MHz, 10V, 80% AM
Voltage Dips	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms
Voltage Interruptions	EN61000-4-11, 95% reduction, 5s
Fluctuations & Flicker	EN61000-3-3

STATUS / CONTROL:

Remote Sense	Compensates <0.25V / not available w/ Current Share
Remote on/off Control	Low signal to inhibit output
Power Good	TTL high 100- 500mS after regulation. It goes low at least 1mS before loss of regulation
12V Aux (Fan)	400mA for Fan Power Only
LED Indicator	Green = Power On / Red = Fault

APPROVALS:

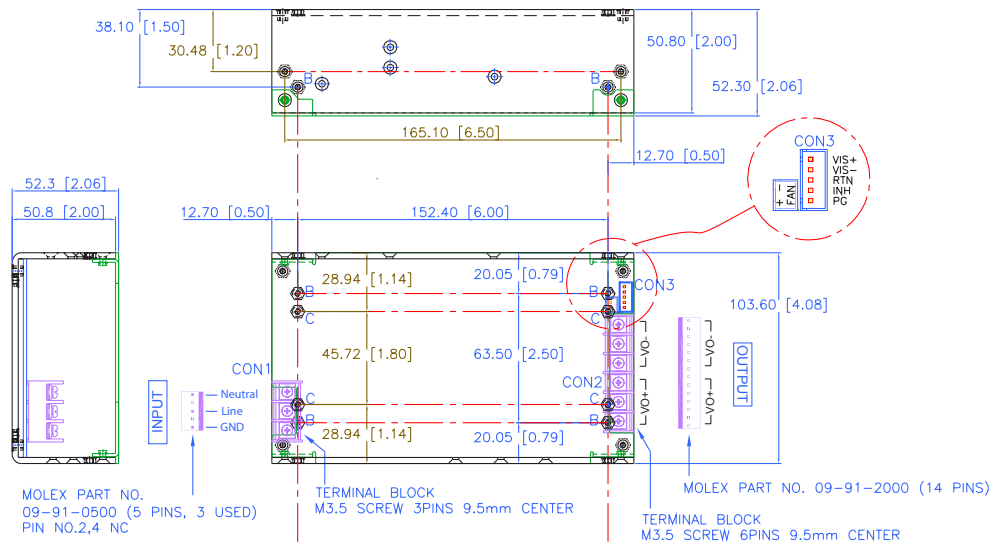
Emissions	EN55022 "B", FCC Part 15 Subject J Class B
Safety Approvals	UL/cUL 60950-1 TUV EN60950-1 CE Mark (LVD)

APS301Rx SERIES:

Output Specifications:				
Model:	Standard Vout	Max Output Current	Factory Setpoint Range	Max Output Power
APS301Rx-12	12V	25.00A	12 ~ 15V	300 Watts
APS301Rx-18	18V	18.75A	16 ~ 21V	300 Watts
APS301Rx-24	24V	13.64A	22 ~ 30V	300 Watts
APS301Rx-36	36V	9.68A	31 ~ 41V	300 Watts
APS301Rx-48	48V	7.15A	42 ~ 55V	300 Watts

- Replace "x" in Model Number to Design ate Desired Mechanical Package: U = U-Frame | E = End-Mount Fan with Terminal Blocks | S = End Moun Fan with IEC-320 Inlet
- Terminal Blocks are the standard connectors. Add the Suffix "M" to designate Molex Type Connections.
- Logic signal connectors (CON3): Mating JST XHP-5 or equivalent (CHYAO SHIUNN JS-2001-05). Mating Pins: JST SXH-002T-P0.6 for AWG 30 to 26.
- Mounting Inserts: 8 Places 6-32 & 8 places 0.25" (Max. Penetration 0.13")
- Fan Drive: Mating JST XHP-2 or equivalent (CHYAO SHIUNN JS-2001-02).

U-Frame Drawing:



End-Mount Fan Drawing:

