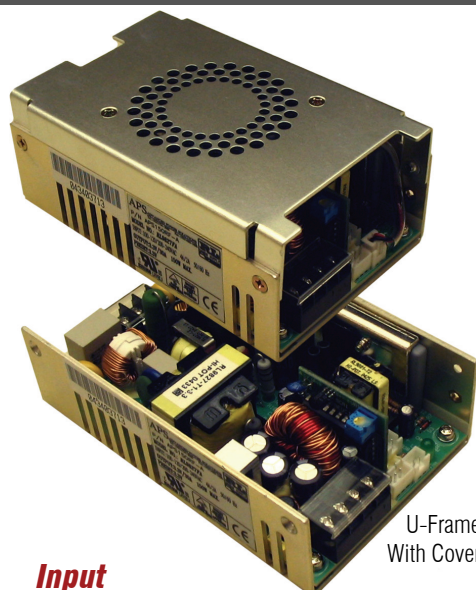




U-Frame: 5.00 x 3.20 x 1.50"
With Cover: 5.00 x 3.20 x 2.00"

Input

Input Voltage	90-132 / 180-264 VAC (Autoranging)
Input Frequency	47-63Hz
Inrush Current	70A Max @ 230 VAC Cold Start
Input Current	4.0A @ 115 VAC / 2.0A @ 230 VAC Typical
Hold-Up Time	20ms @ 115 VAC / 20ms @ 230 VAC Full Load
Leakage Current	<750 μ A @ 230 VAC
Power Factor	EN61000-3-2 Class A Compliant

Output

Minimum Load	1% minimum
Line Regulation	$\pm 0.1\%$ typ.
Load Regulation	$\pm 1\%$ max
Ripple & Noise	$\pm 1\%$ typ. pk-pk @ 20MHz
Overload Protection	110-135% of max power
OverVoltage Protection	Latching at >130% of nominal
Adjustment	+/-5%
Transient Response	voltage returns < 500 μ S following a 50% load change

Features:

- * Auto Ranging AC Input (90-132 / 180-264 VAC)
- * Small Size - only 5 x 3.2 x 1"
- * 150 Watt Operation with 16 cfm airflow
- * 100 Watt Convection Cooled Operation
- * Enable, DC OK and Fan Output Functions
- * EN61000-3-2 / IEC100-3-2 Compliant
- * Worldwide Safety Approvals
- * EN55022 & FCC Class B Emissions
- * CE Mark

General

Efficiency	80% minimum
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-Voltage	>85°C (automatic recovery)
Protection	16cfm airflow (Temp coefficient of 0.04% per °C)
Cooling	

EMC & Safety



Emissions EN55022 "B", FCC Part 15 Subject J Class B

Safety Approvals UL/cUL 60950
EN60950
CE Mark (LVD)

Model Number	Outputs	Set-Point Range
APS150Rx-A	3.3 VDC @ 30A	3.0 - 4.0 VDC
APS150Rx-B	5.0 VDC @ 30A	5.0 - 6.0 VDC
APS150Rx-C	12 VDC @ 12.5A	12.0 - 16.0 VDC
APS150Rx-D	24 VDC @ 6.25A	24.0 - 30.0 VDC
APS150Rx-E	48 VDC @ 4.17A	36.0 - 56.0 VDC

Replace "x" with "S" to designate U-Frame Models and "F" to designate top-mount fan / cover models

Options (options are preceded by a "-" after the part # listed above):

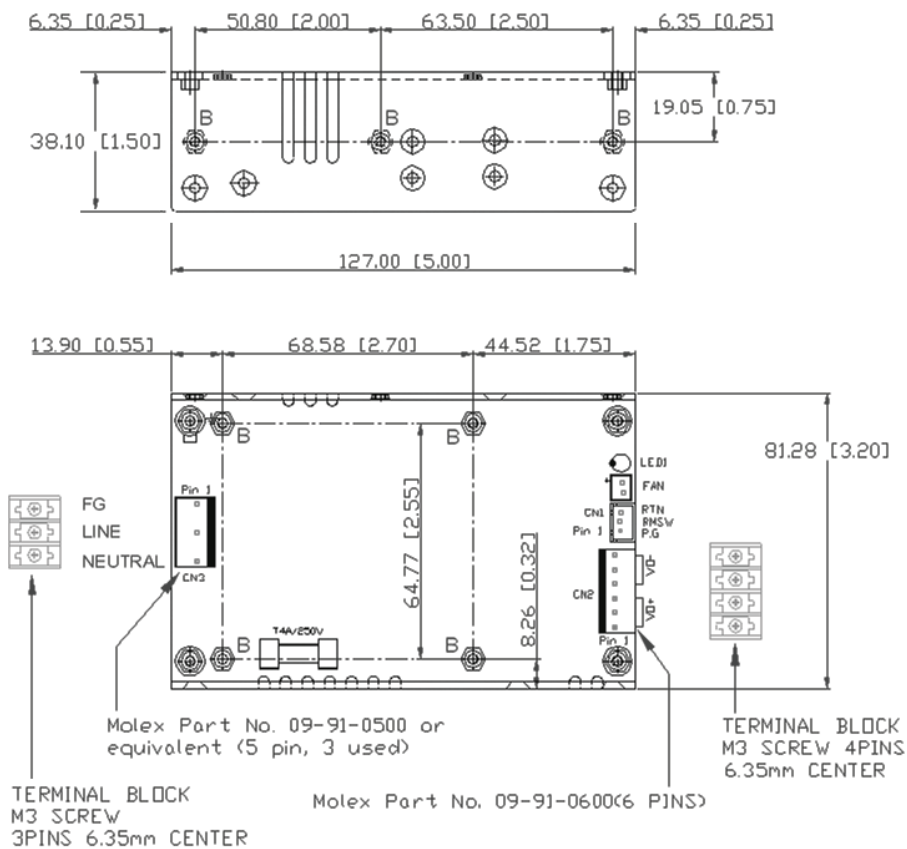
Add Suffix "G" for Gaming Applications (< 500uA Leakage Current & Class A Emissions)

Add Suffix "T" for Terminal Block Connections (Standard is Molex Quick Disconnect)

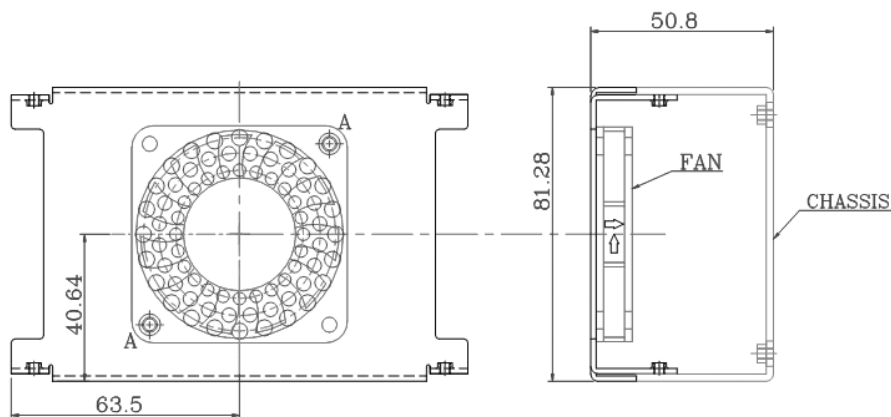


All Advanced Power Solutions (APS) products will be RoHS compliant. Products that are compliant will bear the suffix "-LF" in their part number. APS will continue to ship non-RoHS product until all inventory has been consumed unless customer's have specifically ordered the parts with the "-LF" suffix.

Mechanical Specifications:



OPTIONAL FAN / COVER:



WEIGHT: 400g (14.1.880z)

* All models with the exception of the APS150RS-A maximum are rated at 150W continuous output with 16 C.F.M .

* Max. 100W continuous output without forced air, except APS150RS-A which current is limited to 20A without forced air.

INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT:

OUTPUTS: CN2-1,2,3 = VA / CN2-4,5,6 = RETURN

OPTIONAL SIGNALS: CN1 - 1 = POWER GOOD / CN1-2 = ENABLE / CN1-3 = RETURN