

# STD-50 Series

50 Watt Desktop Switching Power Supply  
Single Outputs ranging from 5~24 VDC



## Product Features:

- Desktop Switching Power Supply
- CEC Level IV Compliant
- RoHS / Lead Free Compliant
- High Efficiency Operation in excess of 85%
- Less than 0.5W No-Load Input Power
- Universal AC Input (90-264 VAC)
- Power Factor > 0.9 for EN6100-3-2 Class D Compliance
- UL94V-0 Rated Enclosure with 3-Prong IEC-320 / C6 Inlet
- LED Power-On Indicator
- Ultra Compact 4.53 X 20.9 X 1.46" Size
- International Safety Approvals & Class B Emissions



## INPUT SPECIFICATIONS:

VOLTAGE	Universal AC Input (90-264 VAC)
FREQUENCY	47~63 Hz
INRUSH	30A max @ 100VAC, 60A max @ 240VAC, cold start, full load
CURRENT	0.65A Max (continuous)
EFFICIENCY	85% for CEC requirement
NO-LOAD INPUT POWER	<0.5W
LEAKAGE CURRENT	<250µA

## GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	0°C ~ +40°C
STORAGE TEMPERATURE	-20° ~ +60°C
HUMIDITY OPERATING	20% ~ 80% RH
HUMIDITY STORAGE	10% ~ 90% RH
COOLING	Convection
RELIABILITY	50,000 hours min. @ 25°C full load

## OUTPUT SPECIFICATIONS:

MINIMUM LOAD	None
LOAD REGULATION	±5%
RIPPLE & NOISE	<200mV Pk-pk max
TOTAL POWER	50W max
OVER VOLTAGE	110%~150%
OVER CURRENT	102%~170%
SHORT CIRCUIT	Automatic recovery after short removed

## EMISSIONS:

EMISSIONS	CE/FCC Class B Conduction and Radiation
ELECTROSTATIC DISCHARGE	EN61000-4-2, 8kV, Level 4
RADIATED SUSCEPTIBILITY	EN61000-4-3, Level 3
EFT/BURSTS	EN61000-4-4, ±4kV, Level 4
SURGES	EN61000-4-5, 2kV Earth, 1kV Line-Line, Class 3
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3
VOLTAGE DIPS	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms

## SAFETY STANDARDS:

UL/CUL	60950-1
CB REPORT	IEC60950-1
GS/PSE/BSMI	EN60950-1
CE MARK	Low Voltage Directive
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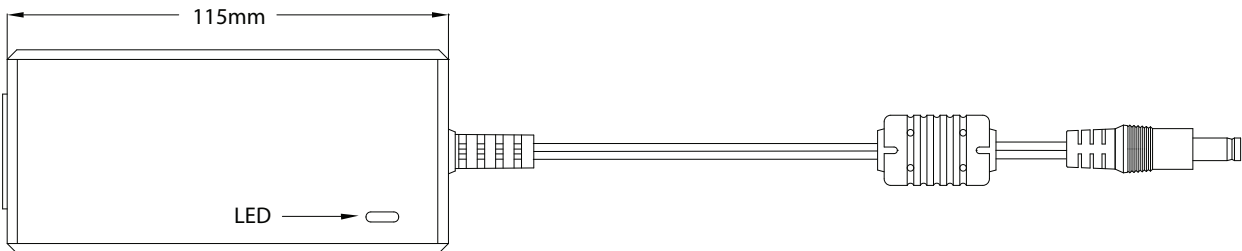
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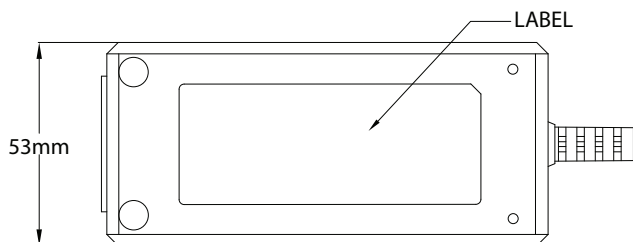
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PART #	OUTPUTS				NOTE
	V1 / A1	V2 / A2	V3 / A3	V4 / A4	
STD-0905P-x	9 5.0				45W
STD-1242P-x	12 4.2				50W
STD-1533P-x	15 3.3				50W
STD-1827P-x	18 2.7				49W
STD-1926P-x	19 2.9				49W
STD-2025P-x	20 2.5				50W
STD-2421P-x	24 2.1				50W
STD-4810P-x	48 1.04				50W

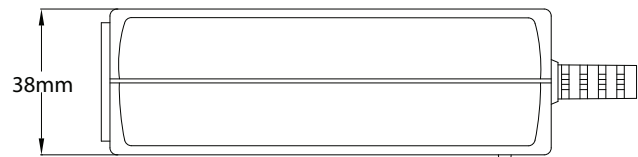
Consult factory to designate IEC-320 Inlet, output cable length and output connector



TOP-VIEW



BOTTOM-VIEW



SIDE-VIEW