

STD-30 Series

30 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 81%
- 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 3.74 x 2.28 x 1.34" 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	0.4A max
EFFICIENCY	>81% typical, nominal line voltage, full load
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	100,000 hours min. 25°C, full load

OUTPUT SPECIFICATIONS:

MINIMUM LOAD	None
LOAD REGULATION	±5%
RIPPLE & NOISE	100mV pk-pk max
TOTAL POWER	30W 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

SAFETY STANDARDS:

UL/CUL	60950-1
CB REPORT	IEC60950-1
GS/PSE/BSMI	EN60950-1
CE MARK	Low Voltage Directive



lhvpower.com

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PART #	OUTPUTS				NOTE
	V1 / A1	V2 / A2	V3 / A3	V4 / A4	
STD-0505P-x	5V 5A				25W
STD-0903P-x	9V 3A				27W
STD-1225P-x	12V 2.5A				30W
STD-1502P-x	15V 2A				30W
STD-2412P-x	24V 1.25A				30W

Consult factory to designate output cable length and connector

