

40W Single Output Switching Power Supply



Features:

- High efficiency, high reliability
- Universal AC input/Full range
- Protections: Short circuit/Over load
- Fixed switching frequency at 36KHz
- 100% full load burn-in test
- Cooling by free air convection
- 2 years warranty
- Dimension: 129×98×38mm(L×W×H)

Technical Parameter

Model		SKS-40-5	SKS-40-12	SKS-40-15	SKS-40-24
Output	DC Voltage	5V	12V	15V	24V
	Voltage Tolerance	±2%	±1%	±1%	±1%
	Rated Current	8A	3.5A	2.8A	1.8A
	Current Range	0-8A	0-3.5A	0-2.8A	0-1.8A
	Rated Power	40W	42W	42W	43W
	Ripple & Noise	75mVp-p	100mVp-p	100mVp-p	100mVp-p
	DC Voltage Adj. Range	+10,-5%	±10%	±10%	±10%
Setup, Rise, Hold time		800ms,50ms,15ms/115VAC 300ms,50ms,60ms/230VAC at full load			
Input	Voltage Range	85~264 VAC 47~63 Hz; 120~370VDC			
	AC Current	1.2A/115 V 0.6A/ 230 V			
	Efficiency	72%/115VAC	76%/115VAC	76%/115VAC	78%/115VAC
	Inrush Current	Cold start 30A/115V 60A/230V			
	Leakage Current	<1 mA/240VAC			
Protection	Over Load	110%~160% Protection type: Fold back current limiting, recovers automatically after fault condition is removed			
	Over Voltage	115%~135% Protection type: Hiccup mode, recovers automatically after fault condition is removed.			
Environment	Working Temp. & Humidity	-10℃~+60℃; 20%~90 %RH			
	Storage Temp. & Humidity	-20℃~+85℃; 10%~95 %RH			
	Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each along X.Y.Z axes			
Safety	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100MΩ/500VDC			
Standards	Safety Standards	Design refer to UL1012, UL1950, TUV EN60950			
	EMC Standards	Design refer to EN55022, EN61000-3-2-3, EN61000-4-2,3,4,5, EN55024, EN550204			
Others	Weight	0.44Kg			
	Packing	45pcs/18Kg/1.22CUFT			

Outline and Installation Dimension

Dimensions: 125.0 (total length), 100.0 (total height), 75.0 (mounting hole distance), 87.2 (total depth), 38.8 (mounting hole distance), 31.6 (mounting hole offset), 33.7 (mounting hole offset), 4.6 (bottom offset), 9.5 (top offset), 6.2 (top offset), 3.5 (mounting hole diameter), 2-M3 (mounting holes), 3-M3 (mounting holes).

Dimensions: 120 (total width), 131.6 (total length), 78.6 (mounting hole distance), 32.7 (mounting hole distance), 18.9 (mounting hole offset), 18.4 (mounting hole offset), 3.6 (mounting hole offset), 28.1 (mounting hole offset), 8.6 (mounting hole offset), 3.6 (mounting hole offset), 3-M3 (mounting holes).

■ Derating Curve

LOAD (%)

AMBIENT TEMPERATURE (°C)

■ Static Characteristics(24V)

OUTPUT VOLTAGE (V)

OUTPUT RIPPLE (mVp-p)

INPUT VOLTAGE (VAC) 60Hz

Ta=26 °C

Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	FG		