

PS-SE10012 12V 8.5A SWITCHING POWER SUPPLY



The PS-SE10012 is a compact 100W switching power supply delivering stable 12V DC output at 8.5A. It features a slim low-profile design (30mm height) and supports universal AC input, making it suitable for industrial and commercial applications.

Designed with a durable metal enclosure and efficient heat dissipation, the unit operates with fanless cooling for silent and reliable performance. The compact housing (approx. 129 x 97 x 30 mm) and weight approx. 0.35kg allows easy installation in space-limited environments.

The power supply uses screw-type terminals for secure wiring, with clearly defined input and output connections (AC/L, AC/N, FG, +V, -V), ensuring safe and straightforward installation.

Output:

DC Voltage:	12V
Rated Current:	8.5A
Current Range:	0 ~ 8.5A
Rated Power:	102W
Ripple & Noise (max.):	120mVp-p
Voltage Tolerance:	±1.0%
Line Regulation:	±0.5%
Load Regulation:	±0.5%
Output Voltage Adj. Range:	10.8V ~ 13.2V
Setup, Rise Time:	1000ms, 30ms (230VAC)
Hold Up Time (Typ.):	30ms (230VAC)

Input:

Voltage Range:	85 ~ 264VAC / 120 ~ 373VDC
Frequency Range:	47 ~ 63Hz
Efficiency (Typ.):	88–90%
AC Current (Typ.):	2.0A / 115VAC, 1.0A / 230VAC
Inrush Current (Typ.):	50–60A / 230VAC (cold start)
Leakage Current:	<0.75mA / 240VAC

Protection:

Overload:	110% ~ 150% rated output power, hiccup mode, auto recovery
Over Voltage:	13.8 ~ 17.2V, shutdown, restart to recover
Short Circuit:	Hiccup mode, auto recovery

Environment:

Operating Temperature:	-30 ~ +70°C
Operating Humidity:	20 ~ 90% RH non-condensing
Storage Temperature:	-40 ~ +85°C
Storage Humidity:	10 ~ 95% RH
Temp. Coefficient:	±0.03%/°C (0 ~ 50°C)
Vibration:	10 ~ 500Hz, 5G

