

100 Watt

AC/DC - Desktop Power Supply



- o Universal Input 90-264 VAC
- o Continuous Short Circuit Protection
- o Meets EN55022 Class B, Conducted
- o High Efficiency, 85% typical
- o Power Factor Correction (PFC)



MODEL NUMBER	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION
BACS100P-12-C14	12 VDC	8330 mA	1%	±2%	±1%	±4%
BACS100P-15-C14	15 VDC	6670 mA				±2%
BACS100P-18-C14	18 VDC	5560 mA				
BACS100P-19-C14	19 VDC	5210 mA				
BACS100P-24-C14	24 VDC	4170 mA				
BACS100P-28-C14	28 VDC	3540 mA				
BACS100P-29-C14	29 VDC	3410 mA				
BACS100P-30-C14	30 VDC	3300 mA				
BACS100P-36-C14	36 VDC	2780 mA				
BACS100P-48-C14	48 VDC	2080 mA				

NOTE:

Voltage setpoint at 60% load.

Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measurement at 20 MHz BW.

Line regulation measurement from 100 Vac to 240 Vac, full load.

Load regulation measurement from 60% to full load and from 60% to 20% load (60% ± 40% full load).

SPECIFICATIONS

All Specifications Typical At Nominal Line, 75% Load, and 25°C Unless Otherwise Noted

INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC
Frequency	47 to 63 Hz
Inrush Current	100 A max. @ 264 VAC
Conducted EMI	CISPR/FCC Class B
Isolation	Input to Output = 4242 VDC
Leakage Current	1.5 mA max.
Current Consumption at No Load	@ 115 Vac 80 mA @ 230 Vac 90 mA

OUTPUT SPECIFICATIONS

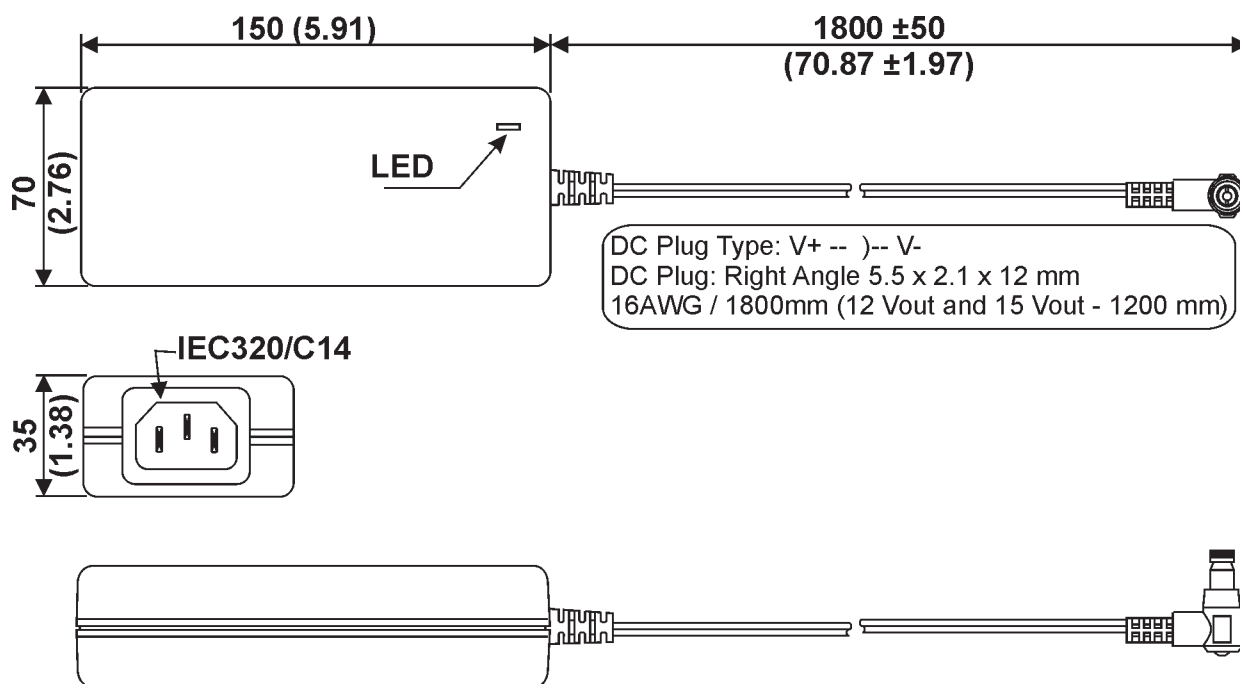
min. Load	0 A
Holdup Time	20 mS typ. @ 115 Vac
Short Circuit Protection	Continuous (Auto Recovery)
Over Voltage Protection	Auto Recovery

GENERAL SPECIFICATIONS

Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +85°C
Dimensions	150 x 70 x 35 mm (5.91 x 2.76 x 1.38 Inches)
DC-Output Plug	Right Angle 5.5 x 2.1 x 12 mm Center+
DC-Cord - Limit	Vout 18V, 19V, 24V, 48V 16 AWG / 1800 mm Vout 12V, 15V 16 AWG / 1200 mm
AC-Inlet	IEC320/C14
MTBF @ MIL-HDBK-217F	193.915 Std.min.

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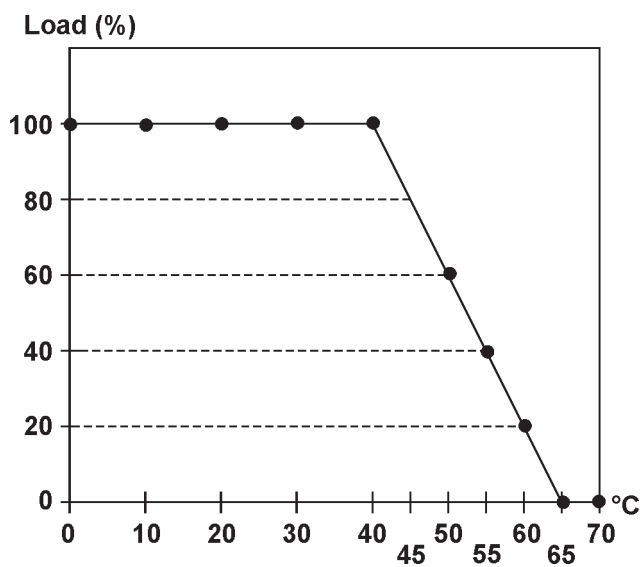
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MECHANICAL SPECIFICATIONS

All Dimensions in mm (Inches)

DERATING DIAGRAM

°C	0	10	20	30	40	50	55	60	65	70
Load (%)	100	100	100	100	100	60	40	20	0	0

**NOTICE:**

The information in this document has been carefully checked. However, no responsibility is assumed for inaccuracies! Specifications can be changed without notice. The latest and most complete information can be found on our website.