

100W Single Output Switching Power Supply, 48V DC, IP67, UL Listed

OVERVIEW

The P-100-48-UL is a 100W single-output switching power supply delivering 48V DC at up to 2.1A rated current. Designed for demanding commercial and industrial installations, it accepts a wide input range of 90–264VAC and is rated IP67 for use in wet or outdoor environments without direct sunlight exposure.

The unit operates across an ambient temperature range of -25°C to +70°C (subject to derating curve) and carries an MTBF of 4,497,100 hours minimum per Telcordia SR-332. Overload protection operates in hiccup mode with automatic recovery; overvoltage protection requires a re-power cycle to recover. The enclosure measures 190 x 52 x 37 mm and weighs 0.61 kg.

The P-100-48-UL is UL Listed (UL8750, UL879) and certified to CSA C22.2 No. 250.13-12, IEC/EN62368-1, and EAC TP TC 004, with an IP67 ingress protection rating confirmed. A 3-year warranty is included per the product listing.

SPECIFICATIONS

Power	100.8 W	Dimensions	190 x 52 x 37 mm
IP rating	IP67	Weight	0.61 kg
Input voltage	90–264 VAC / 127–370 VDC	Operating temp	-25 to +70 °C

DIMENSION

	PACKING	0.61Kg/20pcs/13.2Kg/0.57CUFT
NOTE	<ol style="list-style-type: none">All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.Tolerance : includes set up tolerance, line regulation and load regulation.Derating may be needed under low input voltage. Please check the static characteristics for more details.The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. (as available on https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf)Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.Suitable for indoor use or outdoor use without direct sunlight exposure.The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).Products sourced from the Americas regions may not have the TUV/BSI/CQC logo. Please contact your MEAN WELL sales for more information.For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN.pdfThis product is not intended for LED lighting luminaire applications in the EU and China.(In the EU and China the LPFNPF/XLGLC/XLN series are recommended.) <small>© 2019 MEAN WELL Technology Co., Ltd. All rights reserved. P-100-48-UL / P-100-48-UL is a trademark of MEAN WELL.</small>	

CERTIFICATIONS & COMPLIANCE



IP67

IP67