



























■ Features

- Universal AC input / Full range
- ·Withstand 300VAC surge input for 5 second
- ·Protections: Short circuit / Overload / Over voltage
- ·Cooling by free air convection
- ·Miniature size and 1U low profile
- ·Compliance to IEC/BS EN/EN 60335-1(PD3) and IEC/BS EN/EN61558-1, 2-16 for household appliances
- Operating altitude up to 5000 meters (Note.7)
- ·Withstand 5G vibration test
- ·LED indicator for power on
- ·No load power consumption<0.3W
- ·Over voltage category III
- ·100% full load burn-in test
- ·High operating temperature up to 70°C
- ·High efficiency, long life and high reliability
- ·3 years warranty

Applications

- Industrial automation machinery
- Industrial control system
- Mechanical and electrical equipment
- Electronic instruments, equipments or apparatus
- Household appliances

■ GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

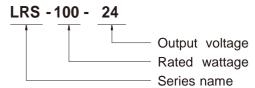
Description

LRS-100-24 series is a 100W single-output enclosed type power supply with 30mm of low profile design. Adopting the full range 85~264VAC input.

In addition to the high efficiency up to 91%, the design of metallic mesh case enhances the heat dissipation of LRS-100-24 that the whole series operates from -30°C through 70°C under air convection without a fan. Delivering an extremely low no load power consumption (less than 0.3W), it allows the end system to easily meet the worldwide energy requirement. LRS-100-24 has the complete protection functions and 5G anti- vibration capability; it is complied with the international safety regulations such as TUV BS EN/EN2368-1, BS EN/ EN60335-1, BS EN/ EN61558-1/- 2-16, UL62368-1 and GB 4943. 1. LRS-100 series serves as

a high price-to-performance power supply solution for various industrial applications.

■ Model Encoding

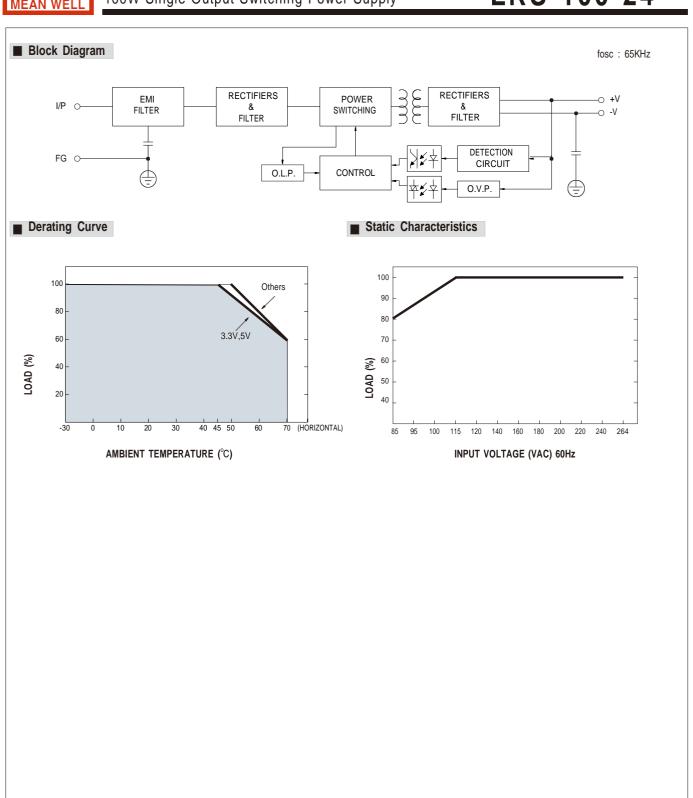




SPECIFICATION

24		
V		
ns/230VAC 500ms,30ms/115VAC at full load		
AC 10ms/115VAC at full load		
C 120 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)		
AC 1.2A/230VAC		
RT 50A/230VAC		
240VAC		
% rated output power		
Protection type: Hiccup mode, recovers automatically after fault condition is removed		
V		
Protection type : Shut down o/p voltage, re-power on to recover		
C (Refer to "Derating Curve")		
RH non-condensing		
-40 ~ +85°C, 10 ~ 95% RH non-condensing		
C (0 ~ 50°C)		
10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes		
III; Compliance to BS EN/EN61558, BS EN/EN50178, BS EN/EN60664-1, BS EN/EN62477-1; altitude up to 2000 meters		
, TUV BS EN/EN62368-1, BS EN/EN60335-1, BS EN/EN61558-1/-2-16, GB 4943.1, 15598-1, EAC TP TC 004,S/NZS62368.1(by CB),KC K60950-1(for LRS-100-12/24 only), 52(Part1): 2010/IEC 60950-1: 2005(NOTE 9) approved		
VAC I/P-FG:2KVAC O/P-FG:1.25KVAC		
P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH		
to BS EN/EN55032 (CISPR32) Class B, BS EN/EN55014, BS EN/EN61000-3-2,-3, GB/T 9254.1, BSMI CNS15936, EAC TP TC 020,KC KN32,KN35(for LRS-100-12/24 only)		
e to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61000-6-2 (BS EN/EN50082-2),BS EN/EN55035, stry level, EAC TP TC 020,KC KN32,KN35(for LRS-100-12/24 only)		
s min. Telcordia SR-332 (Bellcore); 677.4Khrs min. MIL-HDBK-217F (25°C)		
nm (L*W*H)		
0pcs/14.6Kg/0.92CUFT		
Hz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. line regulation and load regulation. line to high line at rated load. ot 0100% rated load. cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up 5°C/1000m is needed for operating altitude greater than 2000m(6500ft). Imponent which will be installed into a final equipment. All the EMC tests are been executed by m metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets		
 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 cap 3. Tolerance: includes set up tolerance, line regulation and load regulation. Line regulation is measured from low line to high line at rated load. Load regulation is measured from 0% to 100% rated load. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the time. The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m(6500ft). The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been execut mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still in EMC directives. For guidance on how to perform these EMC tests, please refer to EMI testing of component power supplies. (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) Some model may not have the BIS logo, please contact your MEAN WELL sales for more information. Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx 		

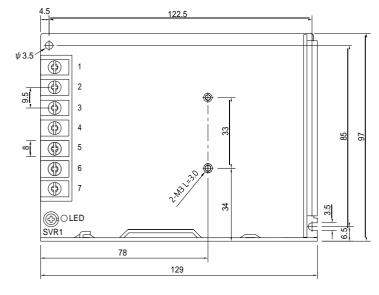


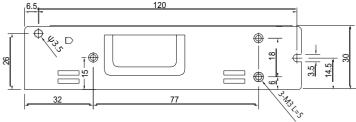




■ Mechanical Specification

Case No.238A Unit:mm





Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG '		

■ Installation Manual

Get more info to : https://www.led-card.com/manufacturer/meanwell/