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SWITCH MODE POWER SUPPLY LE-A-24V12-125

1 Warning

⚠ Always read this manual before using the Power module. It will be helpful in the installation, electronic specification, function specification and troubleshooting of the LE-A-24V12-125.

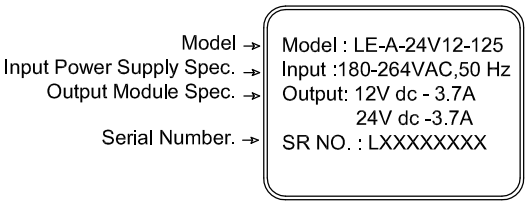
⚠ The Power module should be kept in an enclosure away from airborne dust, high humidity, electric shock risk and vibration.

⚠ Never connect the AC main circuit power supply to any of the output terminals, as it will damage the Power module. Check all the wiring prior to power up. To avoid any electromagnetic noise, make sure the module is properly grounded.

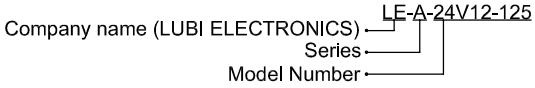
2 Introduction

LE-A-24V12-125 is a Power module that provides 12V/3.7A, 24V/3.7A dc and 125W output power.

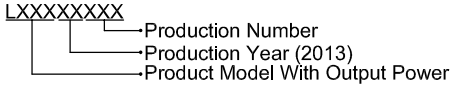
2.1 Label Explanation



2.2 Model Name



2.3 Serial Number



3 Functional/Electrical Specifications

Parameters	LE-A-24V12-125
AC input voltage and Frequency range	180V~264VAC ,50 Hz
AC inrush current	Cold start, <40A at 230VAC
Leakage current	<2 mA at 240V AC
DC adjustment range	CH1:11.10V ~ 13.50V, CH2 : 22.5 ~ 27.00V
DC Output voltage and current	DC - [12V/3.7A , 24V/3.7A]
Output power	125 W
RIpple and Nolse	CH1<200mVp-p , CH2<120mVp-p
Efficiency	>75%
Load Regulatlon	CH1=+/- 1.0% , CH2=+/-5.0%
Line Regulation	CH1=+/- 1.0% , CH2=+/-1.0%
Short Circuit Protection Type	Shut Down Output Voltage, Re-Power On to Recover.
Set Up , Rise and Hold Time	500 ms , 20 ms and 25mS at Full load and Rated Condition
Withstand voltage	I/P-O/P:3.0 KVAC, I/P-FG:1.5KVAC, O/P-F/G:0.5KVAC
Working Temperature	10 - 60 Deg C
Relative humidity	20-90% RH Nonconducting
Temperature Co-efficient	+/- 0.03% / Deg C
Connection	7 pin connector
No-Load blinking	Yes

Important notes

■ Environment

1. **DO NOT** store the Power module in a dusty, smoky, or corrosive atmosphere.
2. **DO NOT** store the Power module in an environment with high temperature or very high humidity.
3. **DO NOT** install Power module on a shelf or on an unstable surface.

■ Power Input Wiring

Power input of LE-A-24V12-125 is AC input. Connect the AC input (180V~264VAC) to terminals L and N. Any AC110V or AC220V connected to the O/P terminal will permanently damage the Power module.

Troubleshooting

Error can be identified by the indicator on the front. When error occurrs, please check ☼"POWER"LED.
The "POWER" LED at the front will be lit (in green) if the power is on. If the indicator is not on when the MPU is powered up, please check if AC input supply is normal. If the indicator is not on when the MPU is powered up and with the input power being normal, it isan indication that the Power module is malfunction. Please have this machine replaced or have it repaired.