

# SWITCH MODE POWER SUPPLY LE-C-24-045

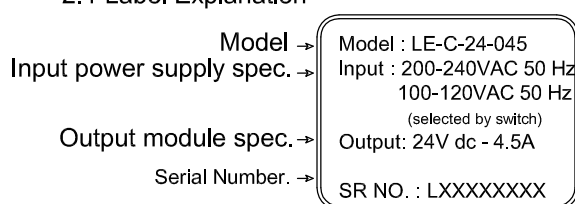
## 1 Warning

- △ 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-C-24-045.
- △ 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-C-24-045 is a Power module that provides 24V dc and 4.5A current for output power.

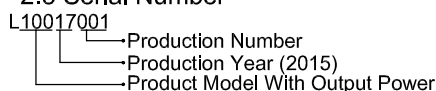
### 2.1 Label Explanation



### 2.2 Model Name



### 2.3 Serial Number



## 3 Functional/Electrical Specifications

Parameters	LE-C-24-045
AC input voltage and Frequency range	200V~240VAC, 50 Hz /100V~120VAC,50 Hz(selected by switch)
AC inrush current	Cold start <36A
Leakage current	<2 mA at 240V AC
DC adjustment range	21V - 27V
DC Output voltage and current	24V DC, 0-4.5A
Maximum Output power	108 W
Ripple and Noise	<120mVp-p at full load
Efficiency	>80%
Line Regulation	+/-1%
Load Regulation	+/-1%
Short Circuit Protection Type	Shut Down Output Voltage, Re-Power On to Recover.
Set Up , Rise and Hold Time	500 ms , 20 ms and 30mS at Full load and Rated Condition
Withstand voltage	I/P-O/P:3.0 KVAC, I/P-FG:2.0KVAC, 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

### 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-C-24-045 is AC input. Connect the AC input (200V ~ 240V) or (100V ~120V) 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 occurs, 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 is an indication that the Power module is malfunction. Please have this machine replaced or have it repaired.