

DC UPS

LEDU2405A



FEATURES

- New generation compact & light weight uninterruptible power supply unit.
- Power supply unit & electronic switch over unit are in the same housing.
- Pre low battery cut off indication floating contact for remote signaling.
- Designed for rechargeable battery module up to 12AH.
- Protection : over voltage, over load, short circuit.
- Soft start circuit to limit the AC inrush current.
- Reliable even at high ambient temperature.
- Universal AC input voltage range.
- 100% Full load burn-in test.

MODEL INFORMATION

Model Number	Output Voltage	Output Current	Mounting Style
LEDU2405A	24V	5A	DIN rail Mount

ORDER INFORMATION

LEDU 240 5A	
LE	Lubi Electronics
DU	DC UPS
24	24 VDC
05A	5 A

INPUT SPECIFICATIONS

AC Input Voltage	100~265VAC, 45/60 Hz
AC Input Current	4A
Max Inrush Current	<38A
Transient Surge Protection	Yes (varistor)
Filter	EMI/RFI
Efficiency	>84%
Indication	AC Ok Yellow LED

OUTPUT SPECIFICATIONS

MODEL NUMBER	LEDU2405A
Output Voltage	24V
Output Current	5A
Output Power	144W
Output Voltage Adj. Range	24 ~ 26 V
Line Regulation	+/- 0.5%
Load Regulation	+/- 0.5%
Ripple / Noise	<+/- 1% P-P
Indicator	DC Ok Green LED, Low BAT-Red LED
Signaling	Pre low battery cut off Relay contact
Connection parallel	Yes (with diode Oring)
Connection in series	Yes

PROTECTION

Over voltage protection	Yes
Over load protection	Yes
Short circuit protection	Yes

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ENVIRONMENT

Storage Temp./Humidity	-40 ~ +85°C, 10~95% RH
Working Temp./Humidity	-20 ~ +50°C, 20~90% RH non-condensing

SAFETY & EMC

Safety	Compliance to EN 61558-1:2005/A1:2009, EN 61558-2-16 : 2009/A1:2013
Insulation voltage I/P-O/P	3.0KVAC
Insulation voltage I/P-PE	1.5KVAC
Insulation voltage O/P-PE	500VAC
Isolation resistance I/P-O/P	>100mega ohm @500DC min.
Isolation resistance I/P-PE	>100mega ohm @500DC min.
Isolation resistance O/P-PE	>100mega ohm @500DC min.

MECHANICAL DIMENSION

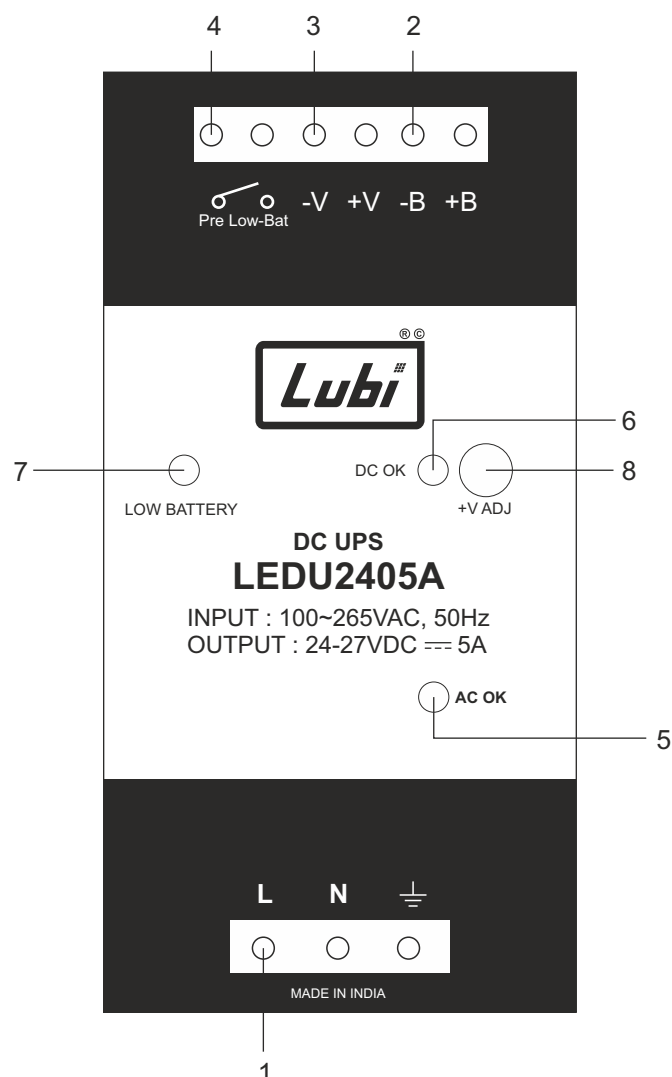
Case Chassis / Cover	Aluminium / SS
Dimension	63 x 124.96 x 114mm (W x H x D) (±1.0mm Tol.)

Note :

1. Instruction for Installation in a pollution degree 2 environment. $\square$ Equipment of overvoltage category II
2. Ripple & Noise are measured at 20MHz by using 300mm twisted pair of load wires terminated with 0.1uF, 100V Film Capacitor parallel with 47uF Electrolytic Capacitor

NOMENCLATURE

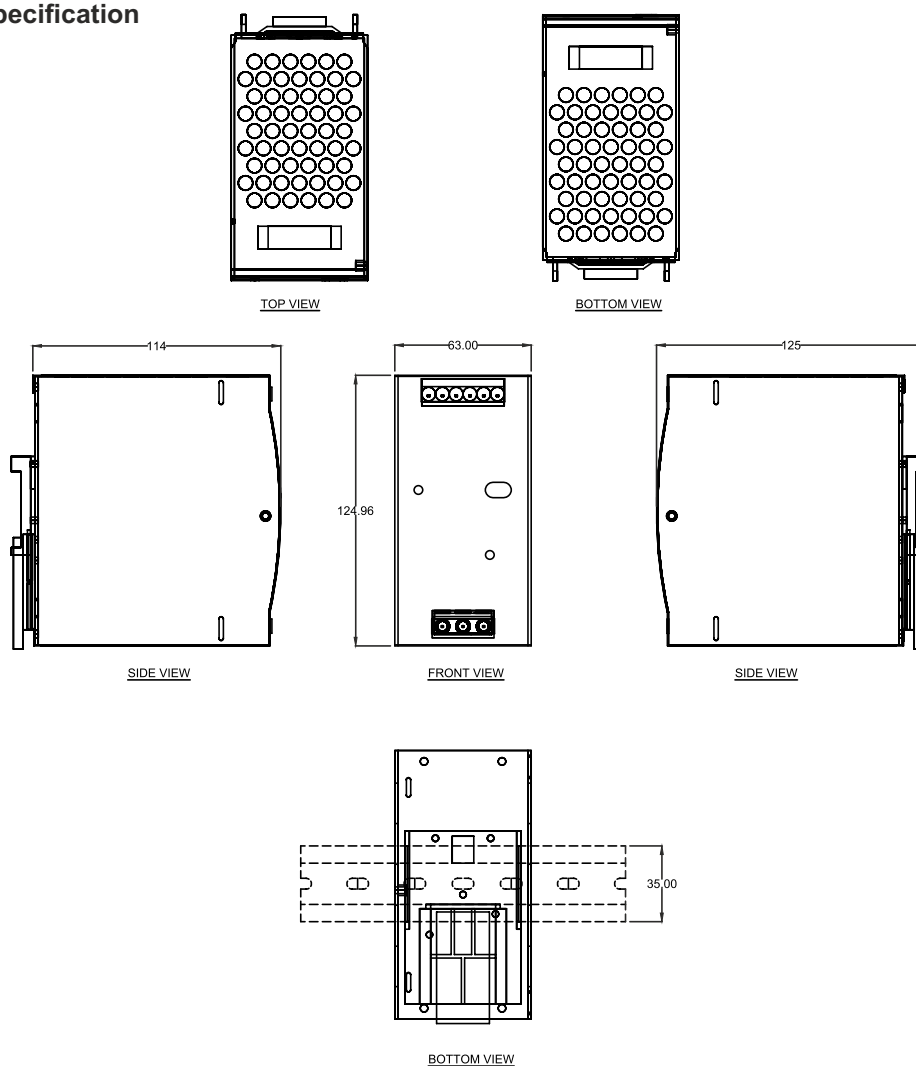
No.	Description
1	Connection of input voltage : L/N/E
2	Connection of battery : -B/+B
3	Connection of output voltage : DC +V/+V
4	Relay contact : Max. 240VAC/60VDC (500mA)
5	Input indication : AC OK LED
6	Output indication : DC OK LED
7	Battery status : LOW Battery LED
8	Potentiometer, output voltage : 24-26VDC



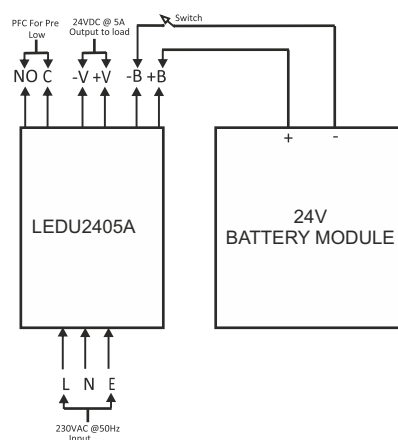
MOUNTING DRAWING

Mechanical Specification

Unit : mm



CONNECTION DIAGRAM



** To shut down the device battery module must be isolated.

Note :

- 1) All these parameters are specified at 230VAC@50Hz input voltage and ambient temperature (+25°C).
- 2) Two 12V DC rechargeable batteries of same capacity must be connected in series for 24VDC battery module.
- 3) Recommended to connect the battery module via a switch for remote shutdown.
- 4) Please do not connect battery below 23VDC.
- 5) For continuous improvement, specification subject to change without prior intimation.