Battery Charger
LEBC2410A

LUBI ®©

24V-10A

FEATURES

- AC input range : 170~270V AC
- Protection : Input Over voltage,
  Output Over load, Over voltage, Short circuit
- Battery Reverse Polarity Protection
- Cooling by free Air
- Charge battery from zero volts
- Draws zero current from the battery
- Low stand by power consumption
- High Efficiency
- Special design for charging lead acid battery

INPUT SPECIFICATIONS

AC Input Voltage	170~270VAC
AC Input Current	2.6A/230V AC
AC Input Voltage Frequency	47~63Hz
Max Inrush Current	35A COLD START
Leakage Current	<3.5mA/230V AC

OUTPUT SPECIFICATIONS

Output Voltage	Float Mode : 26.4V to 26.8V DC , Boost Mode : 27.8V to 28.4V DC
Charging Current in Float Mode	0A to 4A
Charging Current in Boost Mode	4A to 10A
Line Regulation	+/- 1%
Load Regulation	+/- 2%
Ripple / Noise	250mVp-p
Stand by Power Consumption	3W
Indicator	Mains On, Float Mode, Boost Mode, Battery Reverse

PROTECTION

Input Over Voltage	Cutoff at 300V AC
	Turn on at 285V AC
Short Circuit	Shut Down Output Voltage, Recover Automatically after fault condition is removed
Over Load	Protected
	Protection type : Constant Current mode
Output Over Voltage	29V DC
Externally Induced Over Voltage	Protected
Battery Reverse Polarity	Protected
Current drawn by Charger from battery	Zero Current under any circumstances
Annunciation	Potential free NO/NC contact for charger ON/Fail indication
Isolation between	Output & Earth : 1000V AC
	Input & Output : 3000V AC
	Input & Earth : 1500V AC

ENVIRONMENT

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

MECHNICAL DIMENSION

Case Chassis / Cover	Sheet Metal Enclosure
Dimension	188 x 78 x 106mm LWH (±1.0mm Tolerance)
Weight	1.4kg
Mounting	Wall mounting type

Note :

1. Instruction for Installation in a pollution degree 2 environment. ⏛ 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

MOUNTING DRAWING

Terminal Pin No. Assignment (TB1)

Pin No.	Assignment
1	FG ⏚
2	AC/N
3	AC/L
4	RELAY NO
5	RELAY P
6	RELAY NC
7	BATTERY -
8	BATTERY +