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LEAD ACID BATTERY CHARGER
MODEL DY1210 (12V/10A)

ELECTRICAL SPECIFICATIONS

INPUT SPECIFICATIONS

Nominal Voltage	230V AC, 50Hz 1 φ
Voltage Range	150 – 275V AC
Frequency	47 – 53 Hz
Input Current	2A
Efficiency	80% (TYP.)
Dielectric Strength	1.5KV AC (I/p TO O/P AND CASE)

OUTPUT SPECIFICATIONS

Nominal Voltage	12V
Output Current	10A
Power	120 Watts
Net Regulation	± 0.5V
Ripple	< 100mV
Float Voltage	13.2V Max
Normal Voltage	14.4V Max
Extended Boost Voltage	16.2V Max
Over Voltage Protection	102% Max of Output
Over Load Protection	Fold back type
Short Circuit Protection	Provided with Auto Recovery

SPECIAL FEATURES

- Advanced high frequency SMPS design charger with 80% typical efficiency.
- Switch Provided for Normal (for used Battery) & Extended Boost Voltage (for Brand new battery)
- Wide range of AC input (150V – 275 VAC)
- Suitable for charging Batteries up to 100AH.
- Latest battery charge algorithms for quick and accurate charging increases Battery Life.
- Protection provided for Output Reverse Polarity.

LED INDICATIONS

LED's Provided For :

AC ON	-	GREEN
FLOAT	-	GREEN
BOOST	-	YELLOW
REV POLARITY	-	RED

MECHANICAL

Weight	2.5 Kg.
Dimensions	86 (H) x 150(W) x 140 (D)mm
Enclosure	IP-20, CRC Sheet, Powder coated Case.
Input & output Connection	Through Terminal Block

ENVIRONMENT & SAFETY

Operating Temperature	0º to 50º C
Storage Temperature	-10º C to +70º C
Cooling	Forced (Built–in Fan)
Humidity	< 95% RH
EMI/ EMC	Designed to meet CISPR22 Class A / IEC 61000-4
Safety	Designed to meet IEC 60950

Specification No - CLAB / DY1210- (Rev. 0)

* Enhancement to the above specifications & Customizing can be considered on request.
* Specifications may or can be altered without notice as per company's continuous improvement Program.