



Lithium Battery Chargers for Small Battery Packs for EVs /Solar / Medical 24 Volts 10 Amps, 12 Volts 10 Amp

Specifications

These Models of iDB Power Solution Private Limited 's Lithium (LFP/NMC) Battery Chargers for EV's, Solar and Medical devices etc. are latest SMPS technology product and for Lithium Batteries (NMC / LFP) these have three stage charging profile (CC – CV – with Charge Termination Timer and current threshold). These **10 Ampere Battery Chargers** are in two models. (iDB2410L) and (iDB1210L) for charging of 12 V battery packs and 24 V Battery packs.

This chargers have an attractive digital display system for indicating battery voltage and charging current level intermittently after each 15 seconds. On completion of the charging of the batteries the charger automatically stops charging.

Salient Features

- High charging current even at low mains voltage for faster charging
- Charging Current and Voltage Cyclic profile optimized for Cyclic Deep Discharge application to ensure back up time
- Charging profile ensures maximum charge return to ensure longer battery life,
- Reverse Battery Protection – two fuse protection,
- Informative Digital display to indicate Battery voltage and charging current intermittently after each 15 seconds.
- Automatic stoppage of charging on completion.
- Compact size for easy handling,
- Rugged metal enclosure,

| Charger Model | iDB2410L | iDB1210L |
|--|---------------------------------------|-----------------|
| AC Input | | |
| AC Input Voltage - range | 110-280 VAC | 110-280 VAC |
| AC Input Voltage - nominal | 230 VAC | 230 VAC |
| AC Input Frequency | 40Hz – 60 Hz | 40Hz – 60 Hz |
| DC Output | | |
| DC Output Voltage-Cut Off | 29.5 V** | 15.5 V** |
| DC Output Current | 10 A ± 1A | 10A ± 1A |
| Protections | | |
| Output Short-circuit | DC Protection | |
| Over Temperature | Protection by Temperature Sensor | |
| Reverse Battery protection | Electronic Reverse Battery Protection | |
| Visual Indications | | |
| On AC Input - Display will get on | | |
| Digital Display of Battery Voltage and Current intermittently with 15 Sec interval | | |
| Auto Cut-off on full charging | | |
| Environment | | |
| Operating Temperature | 0 to +50 C | |
| Humidity | 95% RH Non-Condensing | |
| Weight & Dimensions | | |
| Dimensions | W=141mm, H=101mm, L=225mm | |
| Weight | 1.4 Kg approx. | 1.2 Kg approx. |
| Enclosure | Sheet Metal Cabinet | |