



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

### Specifications



This 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). This **10 Ampere Battery Chargers** iDB122410L model is dual mode charger which can be used for 12 and 24 Volts Nominal Voltage Batteries.

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
<b>AC Input</b>		
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
<b>DC Output</b>		
DC Output Voltage-Cut Off	29.5 V**	15.5 V**
<b>DC Output Current</b>	<b>10 A ± 1A</b>	<b>10A ± 1A</b>
<b>Protections</b>		
Output Short-circuit	DC Protection	
Over Temperature	Protection by Temperature Sensor	
Reverse Battery protection	Electronic Reverse Battery Protection	
<b>Visual Indications</b>		
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		
<b>Environment</b>		
Operating Temperature	0 to +50 C	
Humidity	95% RH Non-Condensing	
<b>Weight &amp; Dimensions</b>		
Dimensions	W=141mm, H=101mm, L=225mm	
Weight	1.4 Kg approx.	1.2 Kg approx.
Enclosure	Sheet Metal Cabinet	