



SMPS Charger for Lead Acid Batteries / Inverter Batteries (24 V 10 Amp & 12 V 10) Models iDB2410A & iDB1210A

Specifications



iDB Power Solution Private Limited's

Inverter Battery Chargers are in two models. One (iDB2410A) for charging pack of 2 Lead Acid batteries in string (24 v) and another model (iDB1210A) for charging of single battery (12 v). These chargers have intelligent SMPS based charging profile. The charger provides charging current at very low input voltage. It has 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	iDB2410A	iDB1210A
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	