



## SMPS Chargers 24 V 05 Amp and 12 V 05 Amp for Lead Acid Batteries

iDB Power Solution Private Limited's **Charger model iDB24/1205A** is a dual function charger. It can be set for charging pack of 2 Lead Acid batteries in string (24 v) and also for charging of single battery (12 v). This charger has 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.

### 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 powdered sheet metal enclosure,

### Specifications of iDB2405A & iDB1205A

Charger Model	iDB2405A	iDB1205A
<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>05 A + 1A</b>	<b>05A + 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 - <b>Display will get on</b>		
Digital Display of Battery Voltage and Current intermittently with 15 Sec interval		
Auto Cut-off <b>on full charging</b>		
<b>Battery Details</b>		
Battery Type	Lead Acid (Plate Type & Tubular) Batteries	
Battery Capacity	80 Ah each	80 AH
<b>Environment</b>		
Operating Temperature	0 to +50 C	
Humidity	95% RH Non-Condensing	
<b>Weight &amp; Dimensions</b>		
Dimensions	W=110 mm H=120mm L=210 mm	
Weight	1.4 Kg approx.	1.2 Kg approx.
Enclosure	Powdered Sheet Metal Cabinet	