



SMPS Charger for Lead Acid Batteries / Inverter Batteries (24 V /12 V 05 Amp) Dual Models iDB122405A

Specifications



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.

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 powdered sheet metal enclosure,

| Charger Voltages | 24 Volts | 12 Volts |
|--|--|-----------------|
| 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 | 05 A ± 1A | 05A ± 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 | | |
| Battery Details | | |
| Battery Type | Lead Acid (Plate Type & Tubular) Batteries | |
| Battery Capacity | 80 Ah each | 80 Ah |
| Environment | | |
| Operating Temperature | 0 to +50 C | |
| Humidity | 95% RH Non-Condensing | |
| Weight & Dimensions | | |
| Dimensions | W=110 mm H=120mm L=210 mm | |
| Weight | .1.2 Kg approx. | |
| Enclosure | Powdered Sheet Metal Cabinet | |