

# LINHAI YIDA ELECTRONICS CO.,LTD

## SY-50A Automatic Battery Charger

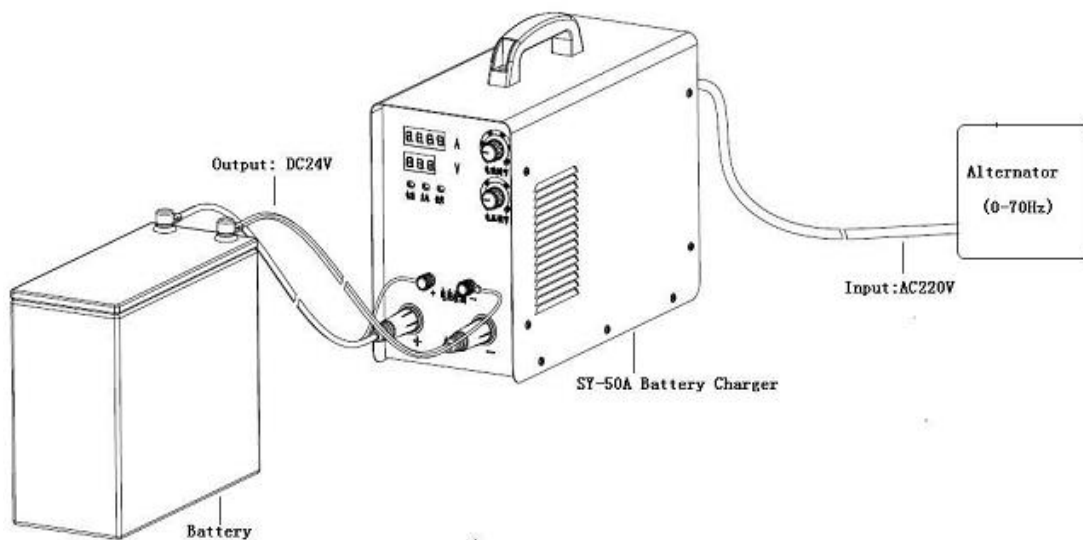
### 1. Product Introduction

This product adopts digital synthesizer chip (DDS) , possess of high working -efficiency, stable current and automatic detection for battery. If the input voltage exceeds AC 260V, it will stop automatically. Thus exorbitant input voltage will never influence the frequency of the alternator.

### II. Main technical specification

|                                |                     |
|--------------------------------|---------------------|
| Input voltage                  | AC 180-260V         |
| Input frequency                | 45-55Hz             |
| Battery type                   | Lead acid battery   |
| Output current adjustment rang | 0-42A               |
| Output voltage adjustment rang | 27.5-31V            |
| Working temperature            | -10°C — 70°C        |
| Storage Temperature            | -40°C — 80°C        |
| Relative humidity              | ≤85%                |
| Measurement                    | W 17 ×L45.5×H 52 CM |

### III. Wiring diagram



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## **IV. Wiring Introduction**

During charging, the current range depends on the capacity of the battery . For example, if the capacity of battery is 200Ah , adjust the charging current to 15-20A ; if the capacity of battery is 100Ah , adjust the charging current to 8-10 A . For new battery ,adjust the voltage to 28.5V; for old battery , adjust the voltage to 29.5V, because the new battery has small internal resistance .

Please always keep the battery fresh.

Please correctly connect the battery to battery charger by the attached 8-meter line, otherwise, the battery charger will be damaged.