



**西安欧瑞电器技术有限公司**  
OREN ELECTRICAL TECHNOLOGY CO., LTD.

Email:sales@oren-electric.com

<http://www.oren-electric.com>



## Battery Charger

OR series Full-automatic battery charger has an intelligent three-step charging mode, which realizes the switch between equalized charging and floating charging, and that between constant current and constant voltage automatically as well as sets and controls the parameters such as voltage, current. It has a LCD screen and all-English menu, making the operation easy and the intellectualization excellent. Having high power, small size and light weight, this charger provides a friendly human-oriented man-machine interface, greatly reducing the work load to test and maintain the storage battery in daily. Therefore it is an ideal aid in storage battery maintenance.

## Key Features:

- Switching power supply control adopts imported military-grade IC chip, the rest of components are adopted imported industry device, charging machine design is reasonable, perfect production process to ensure the reliability and stability.
- Power switch tube (IGBT) is used USA's original and improve the reliability.
- The charger automatically performs the charging in strict accordance with the curve of charging characteristic of storage battery. Designed charging mode is as follows: constant current charging→ (stabilized voltage at uniform charging) current-reducing constant-voltage constant charging → (automatically judge and turns to) → trickle floating charging.
- Advantages: quick charging, high charging recovery rate, no need of watch out, no overcharging incident in an extremely long-time charging, and assuring the service life of storage battery.



西安欧瑞电器技术有限公司  
OREN ELECTRICAL TECHNOLOGY CO., LTD.

Email:sales@oren-electric.com

<http://www.oren-electric.com>

- Uniform charging voltage can be adjusted in the range, adapt to the charge characteristic requirement of different storage battery and first charging
- Using digital setting charging current, can be adjusted continuously, unaffected by input alternating voltage. During constant current charge. This operation doesn't need people to adjust.
- It has interflow input low-voltage protection, output over voltage, output current limit, output short circuit, output over current and over temperature protection.
- It can adjust the charge parameter in service at any times.
- LCD color screen with English menu.
- Small volume, light weight ,easy to move

## Specification

Model	OR-DC15/03	OR-DC24/03	OR-DC24/06
Battery String voltage	15	24	24
Every charging voltage	1.6-15V	6-30V	6-30V
Floating voltage	1.6V to floating voltage	6V to floating voltage	6V to floating voltage
Charge current	1-30A	1-30A	1-60A
Battery Capacity	10-300AH	10-300AH	10-600AH
Working power supply	Single phase 220V ±10%		
AC Input Frequency	50HZ±10%		
Battery Type	Lead Acid Battery		
Charge mode	Constant current ---constant voltage of reducing current----tickle floating charge		
Working conditions	Temperature :0℃～40℃ Humidity:20%～80%RH		
Weight (KG)	8kg	8kg	9kg



西安欧瑞电器技术有限公司  
OREN ELECTRICAL TECHNOLOGY CO., LTD.

Email:sales@oren-electric.com

<http://www.oren-electric.com>

Model	OR-DC48A/10	OR-DC48B/20	OR-DC48C/30
Battery String voltage	48V		
Every charging voltage	18-60V		
Floating voltage	18V to Every charging voltage		
Charge current	1-100A	1-200A	1-300A
Battery Capacity	10-1000AH	10-2000AH	50-3000AH
Working power supply	Three phase AC380V ±10%		
AC Input Frequency	50HZ ±10%		
Battery Type	Lead Acid Battery		
Charge mode	Constant current ---constant voltage of reducing current----tickle floating charge		
Working conditions	Temperature :0℃～40℃	Humidity:20%～80%RH	
Weight (KG)	18kg	30kg	37kg

Model	OR-DC110/04	OR-DC110/08	OR-DC110/10
Battery String voltage	110V		
Every charging voltage	95-150V		
Floating voltage	95V to Every charging voltage		
Charge current	1-40A	1-80A	1-100A
Battery Capacity	10-400AH	50-800AH	50-1000AH
Working power supply	Single phase AC220V ±10%		
AC Input Frequency	50HZ ±10%		
Battery Type	Lead Acid Battery		
Charge mode	Constant current ---constant voltage of reducing current----tickle floating charge		
Working conditions	Temperature :0℃～40℃	Humidity:20%～80%RH	
Weight (KG)	22Kg	48Kg	60Kg



**西安欧瑞电器技术有限公司**  
OREN ELECTRICAL TECHNOLOGY CO., LTD.

Email:sales@oren-electric.com

<http://www.oren-electric.com>

Model	OR-DC220/03	OR-DC220/06	OR-DC220/08	OR-DC220/10
Battery String voltage	220V			
Every charging voltage	180-270V			
Floating voltage	180V to Every charging voltage			
Charge current	1-30A	1-60A	1-80A	1-100A
Battery Capacity	10-300AH	10-600AH	50-800AH	50-1000AH
Working power supply	Single phase AC380V ±10%			
AC Input Frequency	50HZ±10%			
Battery Type	Lead Acid Battery			
Charge mode	Constant current ---constant voltage of reducing current----tickle floating charge			
Working conditions	Temperature :0℃～40℃		Humidity:20%～80%RH	
Weight (KG)	22kg	32kg	48kg	60kg

## Packing list

No	NAME	Qty.	Unit	Remark
1	OR-DC Battery Charger	1	Unit	
2	220VAC POWER CORD	1	PC	
3	Charge Cable ( Red Cable and Black Cable)	2	PC	
4	Touch Pen	1	PC	
5	SD Card/Card Reader	1	PC	
6	USER MANUAL	1	PC	
7	Manufacturer Certificate	1	PC	
8	Packing Lists	1	PC	
9	Wooden Case	1	PC	