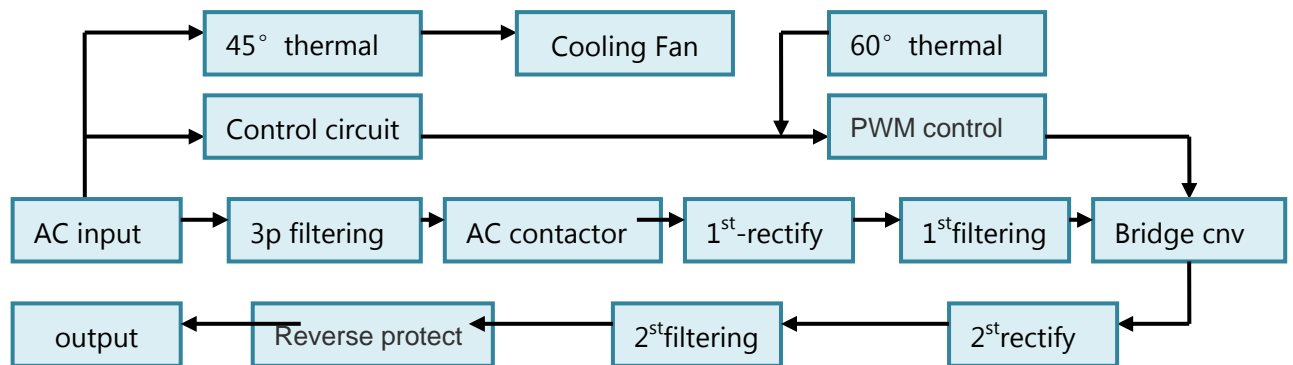


4KW CHARGER USER MANUAL

NOTE:PLEASE READ THIS MANUAL BEFORE USING THIS CHARGER, OR WILL LEAD TO DAMAGE.

I. SCHEMATIC OVER VIEW

Diagram:



II. TECHNICAL DATA

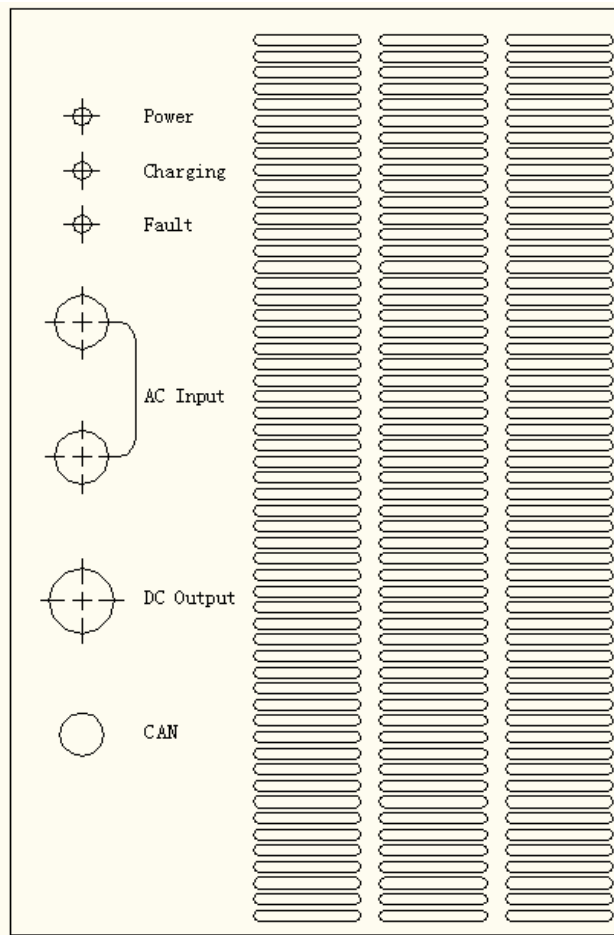
1. AC input: AC380V±10%, 50Hz
2. Output power: 4KW
3. Charging Voltage: DC200-450V range
4. Charging current: 1-9A vary
5. Over-voltage protection value: 470V
6. Under-voltage protection value: 230V
7. Over-current protection value: 10A
8. Over-temperature protection value: 65°C
9. Working temperature: -50°C ~ +50°C
10. Humidity: ≤90%
11. Control mode: CAN bus control

III. FRONT PANEL INSTRUCTION

1. Power LED (Power) : light when start
2. Running LED (Charging) : light when runing
3. Faulty LED (Fault) : light when faulty
4. (AC Input) : 110VAC/220VAC input



5. (DC Output) : 250-450V charging output
6. (CAN) : CAN port



IV. CHARGER WORKING STEP

1. Connect the AC input correctly, there are 110VAC and 220VAC two pair cables.
2. Connect the DC output correctly to the battery, red is "+", green is "-"
3. Connect the CAN correctly, red is CAN H, yellow is CAN L
4. Check every connection right, and turn on the power, then the power LED light.
5. Set the charging voltage, charging current via CAN, now the Charging LED light.
6. After the charging finish, the Charging LED extinguish.
7. Cut off the power
8. CAN protocol (see attachment)

V. COMMON FAULTY AND MAINTENANCE

1. No start: (1)Generally is the fuse faulty, (2)The button faulty.
solution: replace the fuse or button.

2. Stop working and can recover automatically
Reason: Over-heat protection
Solution
 (1) Check if the cooling fan is faulty.
 (2) Check the thermal protector is faulty.
3. Can working, but unstably
Reason : the control PCB faulty
solution: replace the control PCB
4. Current or voltage faulty
5. Reason: (1) control PCB faulty (2) Hall sensor faulty
Solution:(1) replace the control PCB (2) Replace hall sensor
6. No charging
Reason: CAN cable not connected
Solution: check CAN connection

VI.NOTE

1. This charger automatically identification 110 or 220VAC input
2. When 220VAC input, can work on full load (450V/9A) 4KW
3. When 220VAC input, the power can not beyond 450/6A.

