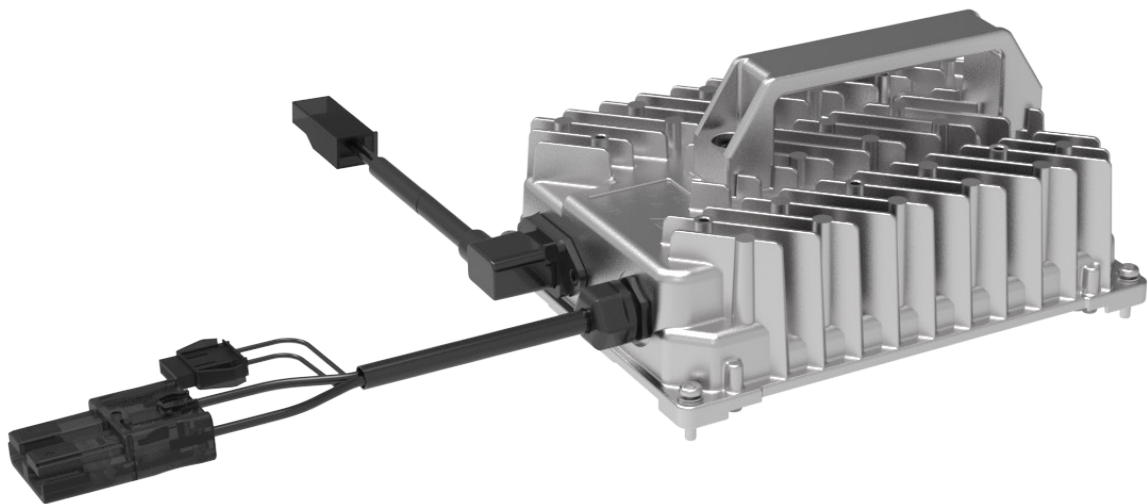


BATTERY CHARGER

350W USER MANUAL



Please ensure to read this document before using the chargers, this document contains important operation and safety instructions. Contact the supplier for more information.



Warning

- To reduce the risk of fire, please install this charger on a non-combustible surface.
- To reduce the risk of electric shock, please disconnect the charger from the AC power supply after use.
- Do not touch the AC and DC wires and terminals of the charger while charging.
- Please try to use the charger in a ventilated and dry environment, stay away from flammable and explosive items.
- The surface temperature of the charger is high during charging, please do not touch it.
- Only trained or professional technicians can maintain or upgrade this charger.



Danger

- Do not touch the AC and DC wires and terminals of the charger while charging.
- Please ensure that the charger selects the correct curve for the target battery. Mismatching may result in battery damage and safety risk.
- Do not use chargers whose surfaces have been severely damaged.

Operation and maintenance

1. The enclosure of the chargers meets IP66, which has strong waterproof and dust-proof capabilities. However, the input connector is IP20 level. Please do not wash it with a high-pressure water gun.
2. Always connect the charger to a grounded outlet, AC supply cord should be no longer than 10m.
3. Customers' replacement of output cables may cause deviations of the battery display during the charging process.

LED indicator light introduction



- Red LED - Abnormal status indication, indicating faults and certain abnormal states (power-on detection / BootLoad, etc.).
- Green LED - Charging status indication, indicating its charging states.
- Blue LED - Mains and communications indication, indicating whether the charger is connected to mains supply/communications.

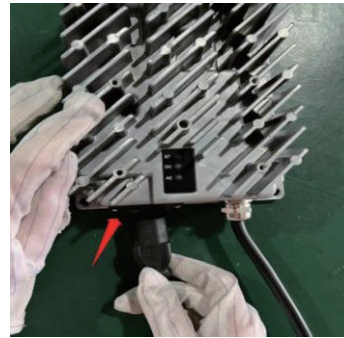
1. Blinking 1 time at startup indicates it's AGM battery (Chilwee) charging curve
2. Blinking 2 times at startup indicates it's AGM battery charging curve
3. Blinking 3 times at startup indicates it's GEL battery charging curve
4. Blinking 4 times at startup indicates it's LIT battery charging curve
5. Blinking 5 times at startup indicates it's WET battery charging curve

Confirm the current curve

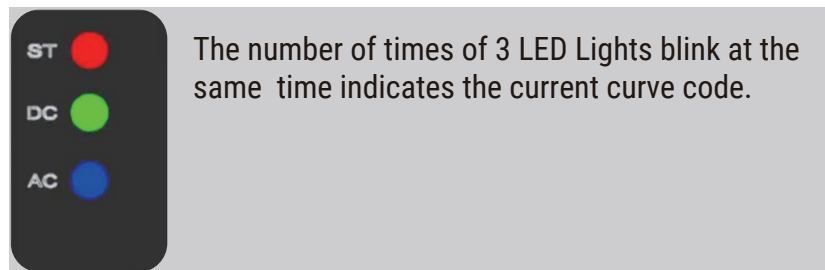
1. Disconnect the connection between the charger and battery.



2. Plug in the AC power plug and power on the charger.



3. After the charger is powered on, the LED will power on and complete self-test.
4. During the self-test process (< 12 seconds), the LED light of the charger will indicate the current charging curve, which is displayed through the indicator light.

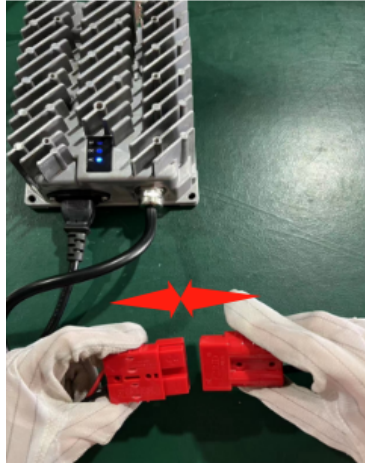


(For example: #2= ●●● interval 1 second ●●●)

5. After the self-test process (> 12 seconds), the indicator light of the charging curve stops blinking, and the blue light is steady on, indicating that the battery is not connected.

Replace the charging curve

1. Disconnect the AC power.
2. Confirm the charger is disconnected from the battery then get through the AC power again.
3. Connect the charger with battery and stay in 3-5 seconds then disconnected. The charging curve of the charger changes to the next ID (For example, if it's 2# before operation then it will be 3# after operation). Just repeat the steps above to get the charging curve you want.



4. When the charger shows the targeted charge curve you want to obtain, keep the charger connected to the battery for more than 10 seconds. When the charge curve is locked, the output relay will make a closing sound, so that the user can judge that the curve has been successfully replaced.
5. Disconnected the AC power.
6. Wait for all the indicator lights of the charger to go off, then disconnect the charger from the battery.
7. Plug in the AC power to power on the charger, and observe the LED flicker under the self-test state to confirm that the correct charging curve has been successfully replaced.

Status and fault

Red (Fault)	Green(State)	Blue(Mains Supply)	Description
Steady on	Steady on	Steady on	Power on self test
Steady on	NA	NA	Fault
Off	Fast blinking (0.3s)	Steady on	Derating charging (Voltage/Temperature)
Off	Slow blinking (1s)	Steady on	Charging
Off	Steady on	Steady on	Charging done
NA	NA	Slow blinking (1s)	In external communication
Off	Off	Steady on	Standby (batteries are not detected)
Slow blinking (1s)	Slow blinking (1s)	Slow blinking (1s)	After detecting at startup, 3 LED blinks slowly at the same time indicating current curve code, and the blinking times stands for curve code number.