QUICK START GUIDE

Golf Cart Smart Battery Charger

www.wavlink.com/en_us/product/ChargeX 20

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ChargeX 20

Specification

Product: ChargeX 20
Input Voltage: AC 100–240V, 50/60Hz
Input Current: 12A Max
Max Charging Voltage: 58.4V
Max Charging Current: 20A
Suitable for: 48V LiFePO4 (16S)
Compatible Plug: M8 Ring Terminal

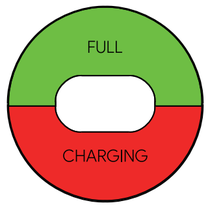
Warning

This manual contains important safety instructions and precautions. Please read carefully before charging.

1. Read and understand all safety information before using this product. Failure to follow these safety instructions may result in ELECTRICAL SHOCK, EXPLOSION, or FIRE, which can cause SERIOUS INJURY, DEATH, or PROPERTY DAMAGE.
2. Risk of Electrical Shock. This product is an electrical device capable of causing shock and serious injury. Do not cut or modify power cords. Do not submerge in water or expose to moisture.
3. Risk of Explosion. Using unmonitored, incompatible, or damaged batteries with this product may cause an explosion. Do not leave the product unattended while in use. Do not attempt to jump-start a damaged or frozen battery. Use only with batteries of the recommended voltage. Operate in a well-ventilated area.
4. Risk of Fire. This product is an electrical device that emits heat and can cause burns. Do not cover the product. Do not smoke or use any source of electrical spark or open flame near the product. Keep away from combustible materials.
5. Risk of Eye Injury. Wear eye protection when operating this product. Batteries may explode and cause flying debris. Battery acid can cause eye and skin irritation. In case of contamination, flush the affected area with running clean water and contact a poison control center immediately.

6. Explosive Gases. Working in the vicinity of a lead-acid battery is dangerous. Batteries generate explosive gases during normal operation. To reduce the risk of battery explosion, follow all safety instructions provided here, as well as those published by the battery manufacturer and the manufacturer of any equipment intended to be used in the vicinity of the battery. Review cautionary markings on these products and on the engine.

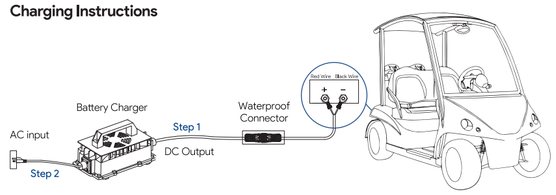
LED Indicator



LED Status	Description
Solid Green	Fully Charged
Solid Red	Charging
Flashing Red	Error
Flashing Red&Green	Poor contact /No battery

How to Use

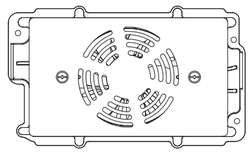
Charging Instructions



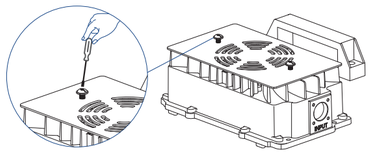
Steps:
1. **Connect to Battery**: First, plug the DC Output Cable into the charging port of the golf cart battery.
2. **Connect to Power**: Next, plug the AC Input Cable into a standard wall outlet.
3. **Check Indicator**: Observe the LED indicator to confirm that charging has started.
4. **Disconnect Safely**: Once the indicator turns solid green, unplug the AC cable from the wall first, then disconnect the DC cable from the battery.

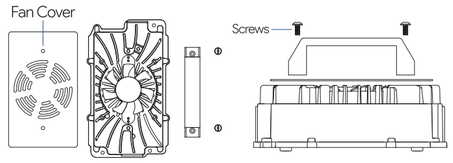
Handle Installation Instructions

Steps1:
Check package contents: Ensure 1 x Handle is included.

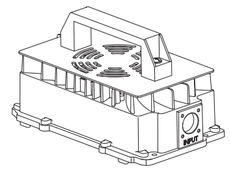


Steps2:
Remove 2 screws from the fan cover. Place the handle on the cover as shown, then re-tighten the screws to fix.





Steps3:
Assembly complete.



Charging Instructions

1. Battery Compatibility: Before charging, ensure the rechargeable battery type matches the setting on the charger.
2. Connection Sequence: When starting to charge, connect the DC plug first, then the AC plug.
3. Disconnection Sequence: After charging is complete, disconnect the AC plug first, then unplug the DC connector.

Environmental Conditions

1. Operate and store the charger in dry, indoor locations with good ventilation and heat dissipation.
2. Avoid humid, high-temperature environments.
3. Keep away from flammable or explosive gases.
4. Do not cover the charger or block air intake vents during operation.
5. Place out of reach of children.
6. Danger of high voltage inside. Do not disassemble unauthorized.

Maintenance Guide

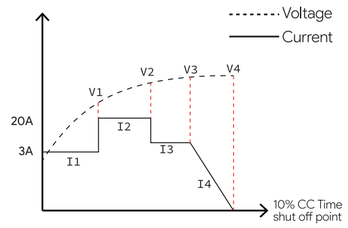
WARNING: Before performing any maintenance, ensure the charger is disconnected from both the power source and the battery.

1. Regularly clean dust from vents and fan openings to maintain efficient heat dissipation.
2. Periodically wipe the exterior casing with a soft cloth dampened with alcohol.
3. Store in a cool, dry place when not in use.

Common Malfunctions & Solutions

Phenomenon	Cause	Resolution
Red LED flashing	Charger's internal protection circuit is active.	If the fault persists, please contact after-sales service.
Red and green LED alternate flashing	Charger and battery are disconnected.	Reconnect the charger and battery securely.
Charger does not work and LED is off when connected to AC power.	Loose plug or no AC power connection.	Reconnect the AC power cord and ensure a secure connection.
	Internal damage.	Please contact our after -sales service team. Warning: High voltage inside. Never attempt to open or repair the unit yourself.

Charging Curve



This battery charger can realize intelligent multi-stage charging.

Need help?

We're here for you!

Online support: wavlink.com
Available Mon-Fri 8:30 am-5:30pm (UTC+8)

support@wavlink.com
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Mon-Fri 9:00 am - 6:00 pm (UTC-5)

www.wavlink.com

Thank you for purchasing WAVLINK product!

ChargeX 20说明书WAVLINK-E1
材质工艺：105G铜版纸+4色+双面印刷+风琴折
成品尺寸：120x180mm
展开尺寸：480x180mm
设计：周业振