USER MANUAL



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Warning & Danger:

 DANGER: RISK OF ELECTRIC SHOCK. DO NOT OPEN SHELL. ANY DAMAGE REQUIRES REPAIR BYQUALIFIED PERSONNEL.

 CAUTION: BEFORE CHARGING, READ THE INSTRUCTIONS. DO NOT RECHARGE NON-RECHARGEABLE BATTERIES. USE ONLY SPECIFIC BATTERIES INSTRUCTED IN MANUAL. CHARGING OTHER BATTERY TYPES OR VOLTAGES MAY CAUSE PERSONAL INJURY AND DAMAGE.

 WARNING: EXPLOSIVE GASES, PREVENT FLAMES AND SPARKS. PROVIDE ADEQUATE VENTILATION DURING CHARGING, DISCONNECT AC SUPPLY BEFORE MAKING OR BREAKING CONNECTIONS TO THE BATTERY, OR ARCING AND BURNING MAY RESULT, DO NOT POWER ON BEFORE OUTPUT TERMINALS ARE RELIABLY CONNECTED. TO AVOID DAMAGE, DO NOT PULL ON CHARGE CORD HAVE DEFECTIVE CORDS OR PLUGS REPLACED IMMEDIATELY BY QUALIFIED PERSONNEL. USE COPPER CONDUCTORS ONLY. TO AVOID HEAT INJURY DO NOT TOUCH THE METAL SHELL DURING CHARGING.

CAUTION: Keep the golf cart charger away from children and in a place they cannot reach to prevent electric shock accidents.

CAUTION: Protect the charger from external forces such as drops or physical damage, which may break components and render the product unusable.

Production Introduction:

Thank you for choosing our products.The E800W Series Charger is a smart, economical, high quality 100-240V AC charger designed for charging lead-acid batteries in golf carts. The charger not only features 5V pulse activation, but is also equipped with an automatic charging system that starts the charging process when the voltage falls below the rated voltage after 7 days of being connected to AC power to ensure that the batteries are always in optimal condition.

1. Efficient Charging: Our golf cart chargers usually have intelligent charging management system, which can automatically adjust the charging current and voltage according to the condition of the battery, so as to realize the fast and safe charging process, and have the temperature compensation function, which can automatically adjust the charging curve according to the ambient temperature, to ensure the optimal charging in different environments.

2. Upgraded All-in-One Plug: Our newly upgraded plug features enhanced wear and heat resistance compared to the previous model, and it is effectively waterproof. It connects more securely with the charging port, there by not only prolonging its service life but also enhancing your charging experience.

3. Intelligent Charging: The charger has built-in intelligent trickle charging technology, the charging procedure includes pulse repair, pre-charge, constant current, constant voltage and float charging in 5 steps, the pulse repair is specially designed to provide safe voltage for low voltage batteries, activate the batteries to enter into normal charging, after charging is completed, the charger automatically shuts down and enters into trickle mode. After adding 7 days, when the voltage is lower than the rated voltage, the charging program is automatically started to reduce the self-discharge damage caused by long-term idling.

4.Safety Protections: The charger has over-voltage, over-current, overload, over-temperature, short-circuit and reverse connection protection devices. There is no output when the battery is not connected, and when the battery is connected in reverse or the output is short-circuited, the internal circuit of the charger is disconnected from the battery and will not damage the charger. The charger automatically shuts down to protect the battery when the charger body becomes too hot.

5.Super Durability: The body of the charger is made of durable aluminum alloy, which can withstand the wear and tear of daily use and adapt to outdoor environments. IP67 weather resistance rating, high waterproof and dustproof rating, which reduces the risk of the charger being damaged by water or dust, and ensures long and stable operation.

6. Portable Use: Compact and lightweight design, easy to carry and store, our charger adds a carrying handle design, the weight is reduced to 5.5Lbs, the total length of the charger is 16Ft, which can meet the application of multiple scenarios.

7. Premium After-Sale Service: We offer a one-year warranty on our products. Should you be unsatisfied within this period, we provide replacement options. If you have any questions before or during use, feel free to contact us anytime. Our customer service email is **epowrey_service@163.com**, where we to respond within 24 hours!

Product Specification:

Specification	48 Volt Charger
Model Name	E8-48V15A
Power Output	800W
Input Voltage	100-240Vac
Maximum output voltage	58.8V
Output Current	15A
Nominal AC input frequency	50 / 60 Hz
Noise	≤40dB
Power Efficiency	>90%
IP Rating	IP67
Working Temperature	-4°F to 149°F
Storage Temperature	-40°F to 185°F
Battery type	Lead-acid
Dimensions	7.5 x 4.1 x 4.7 inch
Net Weight	5.5Lbs
Manufacturer	Shenzhen Yileide Technology Co.,Ltd.

Charging Procedure:

1. Safety check:

• Ensure that the charging environment is well ventilated and away from flammable and explosive materials.

• Check the charger and battery pack for obvious damage, such as cracks, leakage, etc.

• Verify that the voltage and current specifications of the charger match the golf cart battery pack.

Recommendation: Replace the vehide charging port base every three years to prevent poor contact caused by wear and tear.

2.Connect the power cable of the charger to an appropriate AC power socket. Make sure the sockets used are well grounded.

3.Insert the output plug into the battery charging receptacle located on your golf cart.

4. Pay attention to observe whether there is abnormal heat, noise or odor, if there is immediately stop charging and check the cause.

5. Keep the battery charged until the light turns green to green, indicating that the cart is fully charged.

6. After charging, if it is not used for a long time, it is recommended to supplement the battery at intervals to keep the battery healthy.When storing the charger, choose a dry and dust-free environment to avoid direct sunlight and humidity.

Indicator status:

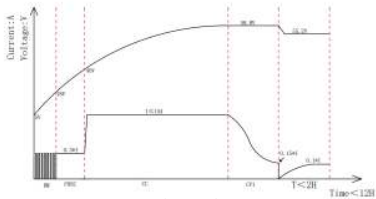
Color	Describe	Charging state
	Yellow light flashing	Standby mode/ No-load
	Green light flashing slowly	Charging(battery level 0-90%)
	Green light flashing rapidly	Charging(battery level 90-100%)
	Solid green	Charging completed
	Red light flashing rapidly	Input power failure
	Red light with a 2-second interval	Overheat alarm
	Red -Red -Red, with a 2-second interval	Output over-current alarm
	Red -Red -Red -Red, with a 2-second interval	Output over-voltage alarm

Maintenance of Lead-Acid Batteries:

For the service life of your battery, it is important to check the water level of lead-acid batteries approximately every 30 days. After charging the battery, it should be filled with water, and the water level of all battery cells should be uniform and lower than the water filling hole of each battery cell. If too much water is added to the battery before charging, it may overflow during charging. Please note that only distilled water can be used to fill the battery.

Charging Algorithm:

5-Stage Intelligent Charging customizes optimal charging conditions for lead-acid golf cart batteries. The charger not only has 5V pulse activation technology, low voltage 5-18V to start the repair mode, providing a safe activation voltage, so that its voltage reaches the requirements to be able to enter the charging state normally. It is also equipped with an automatic charging system that will automatically charge the battery when the battery voltage falls below the rated voltage after the charger has been connected for 7 days to minimize sulfation damage caused by long term golf cart inactivity and extend battery life.



48V CHARGER

Golf Cart Charger Maintenance Guide:

1. Keep It Clean: Regularly clean the surface of the charger and the ventilation holes of dust and debris to prevent heat dissipation issues or circuit shorts caused by dust accumulation. Use a dry, soft cloth for gentle wiping; avoid wet cloths or chemical s olvents.
2. Proper Storage Conditions: Store the charger in a dry, well-ventilated area, away from high temperatures, humidity, or direct sunlight, as these conditions can impact the electronic components and battery lifespan.
3. Prevent Overcharging and Undercharging: Use a smart charger that matches your golf cart batteries and follow the manufacturer's recommended charging times and voltage settings. Overcharging can damage both the batteries and the charger, while undercharging impairs battery performance.
4. Check Connection Cables Regularly: Ensure the connection cables between the charger and the battery are secure, undamaged, making good contact, and free from corrosion or looseness. If any of these issues are detected, for safety reasons, cease charging until resolved.
5. Correct Operation Procedure: Before charging, ensure the key switch is in the off position to prevent accidental vehicle startup during charging. Also, make sure all ventilation openings are unobstructed during the charging process to facilitate heat dissipation from the charger.
6. Avoid Prolonged Connection: Disconnect the charger promptly once the battery is fully charged. Leaving the charger connected to the battery for extended periods, even without charging, can cause battery overheating or slow discharge.
7. Regular Maintenance: Follow the maintenance schedule outlined in the charger's manual. If you notice unusual sounds, excessive heating, or abnormal charging indicators, immediately stop using the charger and seek professional inspection and repair.

Frequently Asked Question:

1. When plugging in the charger, the charger indicator flashes red or stays yellow?
A: Check whether the temperature of the charger is too high, whether the fan is running normally, and whether the charger is placed in a ventilated and cool place.
Please check that the output plug is fully inserted into the golf cart.
Check if the battery terminals are not reversed, loose or corroded, make sure the battery has voltage input.
Make sure the battery is not completely dead, the charger must detect a minimum battery voltage of 5 V. This is a safety feature to protect the health of the battery, you can use a multimeter to check the battery voltage.

2. Can the charger always be connected and charged when the golf cart is not in use for an extended period of time?
A: Yes, the charger will automatically shut off and go into trickle mode when fully charged. After 7 days of being connected and below the rated voltage, the charger will automatically go into charging mode until full. This helps keep the battery healthy and reduces damage caused by self-discharge. However, please ensure that the charger is working properly and check the status of your device and battery regularly to ensure that there is no damage or abnormal heating. It is recommended that prolonged connections do not exceed 30 days to avoid inadvertent battery damage.

3.How long will it take to fully charge?
A: Normally, it takes 8-10 hours for the charger to be fully charged. Sometimes charging times can vary greatly depending on the type of battery, its age, and its health.

4.The green light is always on, why is my charger still not full?
A:The charger is only charged to the saturation state before it is full (actually only charged to the full state of 85%-95%), which has a protective effect on the battery, so after the green light, the battery may be not fully charged and then plug in the charger can also be charged (floating charge).

5.Other common questions

- Input voltage error: Check whether the input voltage meets requirements.
- If the AC input is abnormal, check whether there is an AC voltage and whether the input plug is loose.
- Machine overheating: Check whether the fan is running. Also pay attention to the ventilation of the charger workplace and do not allow anything to be covered on the charger.
- Output short circuit: Check the wiring of the output terminal to eliminate short circuit.
- No battery or reverse connection: Check the battery connection and connect the battery correctly.
- Battery voltage too low: Make the battery voltage reach the starting voltage of the charger

NOTE: ***If you have any questions, please contact our customer service:***
epowrey_service@163.com

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