



- Automatic float charge monitoring
- Triple LED Indicators (Green, Amber & Red)
- High-Frequency, switch-mode operation for pure DC output
- High Frequency IC controlled: Provide pure DC regulated output
- Current, phase charging and good performance for a maximum and safer battery charge.
- Short circuit protection
- Connect to side-posts or top-posts battery terminals.
- Maintenimiento automático de la carga
- Automatic maintenance: Keeps the batteries in the best working condition.
- Thermal Overload Protection
- Reverse Polarity Protection

CONTROLS AND INDICATORS

There are three LED indicators on this automatic trickle charger (Green, Amber and Red):
Power/Charged Green LED: Illuminates when battery is fully charged and/or connected to a 120 Volt AC electric outlet.
Charging Amber LED: Illuminates when battery is charging. As the battery nears full charge capacity, this LED will dim out.
Bad Battery: Illuminates when there is a fault condition: Bad Battery, Improper terminal connection or Battery Voltage is too low.

BATTERY CHARGER FUNCTIONS

Rally's Automatic Trickle Charger/Maintainer 7632 has a charge rate of up to 2 amps. It is designed for charging small batteries and maintaining large batteries. It is designed for 12 Volt lead-acid batteries only: conventional automotive, maintenance-free, marine deep cycle and gel-used in cars, farm equipment, boats, RVs and SUVs, lawn mower/garden tractors, motorcycles, personal watercraft, snowmobiles, ATVs and various applications. The Automatic Quick Charge feature is a 3-stage, high-efficiency charging technique; the built-in control IC ensures fast, safe and complete charging of serviceable batteries.

Stage One: Constant Current: When the battery is severely discharged, the Trickle Charger applies constant current. This stage speeds charging the battery while protecting the battery.
Stage Two: Constant Voltage: This is a speed charge cycle for batteries that are nearly fully charged. It will top-off the battery utilizing a 200mA trickle charge.
Stage Three: Floating/Constant Voltage: This stage maintains a fully charged battery in the best condition by constantly applying a small pulse of charge. The battery voltage will be maintain at approximately 13.5 Volt DC.

IMPORTANT SAFETY INSTRUCTIONS

⚠️WARNINGS
- FIRST AID – SWN If battery acid comes in contact with skin, rinses immediately with water, then wash thoroughly with soap and water. If redness, pain, or irritation occurs, seek immediate medical attention.
- FIRST AID – EYES If battery acid comes in contact with eyes, flush eyes immediately, for a minimum of 15 minutes and seek immediate medical attention.
- IMPORTANT: Have someone nearby in case of accidents or mishaps resulting in this instruction manual and those published by your vehicle battery manufacturer.
- Prior to use, read and understand all warnings, cautions and instructions included in this instruction manual and those published by your vehicle battery manufacturer.
- Failure to follow all instructions listed in this instruction manual may result in property damage, fire, electric shock and/or injury to yourself or others.
- Dry Location With Overhead Cover Use Only! Do not use Battery Charger in damp or wet locations. Do not use Battery Charger in the rain.
- Keep children and non-competent persons or people working area.
- Do not force the Battery Charger. The Battery Charger is designed for optimum performance and safety at the selectable Amperage Charge Rates.
- Never carry the Battery Charger by the power cord. Keep power cord away from heat, oil and sharp edges.
- For added safety performance it is recommended that the Battery Charger be connected to an AC Ground Fault Circuit Interrupter (GFCI).
- Do not operate the Battery charger near flammable materials or any location, which accumulate flammable fumes.
- This product contains chemicals, including lead, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.
- Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Batteries also contain other chemicals known to the State of California to cause cancer. Wash hands after handling.
- All lead acid batteries (car, truck, boat, etc.) produce hydrogen gas, which may violently explode in the presence of fire or sparks. Do not smoke, use matches, lighters or open flame near batteries.
- Working around lead acid batteries may be dangerous. Lead-acid batteries generate explosive gases during normal charging operations.
- Use this product with 12 Volt lead-acid batteries only. Do not connect to 6 or 24 Volt batteries.
- BURS! HAZARD! Do not use this unit to charge dry-cell batteries. These type of batteries may burst and cause injury to persons and property damage.
- Do not submerge this unit in water or heavy moisture.
- To reduce risk of electric shock, disconnect the unit from any power source before attempting maintenance or cleaning. Powering OFF controls without disconnecting unit. Do not charge 12 Volt lead-acid batteries with the unit.
- Do not operate the Battery Charger on boats, boat ramps or docks since the electrical power cords and outlets used for connecting could cause severe electrical shock if they get wet.
- Keep children and non-competent persons or people working area.
- Keep clamp battery post connections cables and power cable away from fan blades, belts, pulleys and moving parts during in-vehicle battery charge operations.

⚠️CAUTIONS
- Use proper eye and clothing protection. Do not touch eyes while working around lead-acid batteries.
- When connecting or disconnecting the Battery Charger, plug on the plug not on the power cord.
- Avoid dropping metal tools or objects on top of 12 Volt batteries. It might spark short-circuit the battery or other electrical part that may cause short-circuits or explosion.
- Remove personal metal items, such as rings, bracelets, necklaces and watches while working with lead-acid batteries. It can produce a short-circuit high enough to cause a severe burn.
- Never charge a frozen battery.
- Never allow battery acid to come in contact with this unit.
- If there is any spillage of battery acid, immediately assistance is available in case of accident or emergency.
- Risk of Electric Shock! Do not open unit casing. This product has no user serviceable parts. In the event of operational malfunction or damage, the unit must be returned to the manufacturer for professional testing and repair. Opening the unit casing will void the manufacturer's warranty.
- GENERAL CORROSION: Do not touch the battery acid or the battery terminals. Do not permit the battery acid to come in contact with the body or clothing.
- Adult operation only! Not to be operated by children.
- Place unit in minimum of 18 inches above ground level when operating in a garage or similar environment.
- Do not operate this unit with a charge power cord.
- Use only the provided parts or attachments supplied, recommended or sold by the manufacturer specifically for use with this unit. Unauthorized parts may damage the unit or result in electrical shock and bodily injury.
- Use these instructions for future reference.

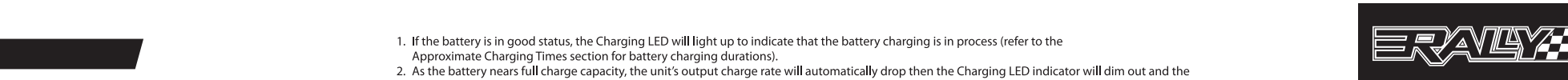
120 V					
		(0-7.6 m)	(7.6-15.2m)	(15.2-30.4m)	(30.4-45.7m)
240 V					
		0-50	51-100	101-200	201-300
		(0-15.2m)	(15.2-30.4m)	(30.4-60.9m)	(60.9-91.4m)
AMPERE RATING					
MORE THAN	NOT MORE THAN	AMERICAN WIRE GAUGE			
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	NOT RECOMMENDED	

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POWER CORD SAFETY
This unit has a polarized plug (one blade is wider than the other) as a safety feature. This plug will fit into a polarized outlet only one way. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.

PREPARING TO CHARGE A BATTERY

- Determine the voltage of the battery to be charged by referring to the vehicle owner's manual.
- Either when working with lead acid batteries or EXTERNALLY, BE DAMAGED RESULTING FROM MISUSE, NEGLIGENCE, LACK OF REASONABLE MAINTENANCE AND/OR BY OTHER CAUSES UNRELATED TO DEFECTIVE MATERIAL OR WORKMANSHIP. IF THE PRODUCT HAS BEEN SUBJECT TO FIRE, WATER, OR GENERAL CORROSION.
- Use proper eye and clothing protection. Do not touch eyes while working around lead-acid batteries.
- When connecting or disconnecting the Battery Charger, plug on the plug not on the power cord.
- Avoid dropping metal tools or objects on top of 12 Volt batteries. It might spark short-circuit the battery or other electrical part that may cause short-circuits or explosion.
- Remove personal metal items, such as rings, bracelets, necklaces and watches while working with lead-acid batteries. It can produce a short-circuit high enough to cause a severe burn.
- Never charge a frozen battery.
- Never allow battery acid to come in contact with this unit.
- If there is any spillage of battery acid, immediately assistance is available in case of accident or emergency.
- Risk of Electric Shock! Do not open unit casing. This product has no user serviceable parts. In the event of operational malfunction or damage, the unit must be returned to the manufacturer for professional testing and repair. Opening the unit casing will void the manufacturer's warranty.
- GENERAL CORROSION: Do not touch the battery acid or the battery terminals. Do not permit the battery acid to come in contact with the body or clothing.
- Adult operation only! Not to be operated by children.
- Place unit in minimum of 18 inches above ground level when operating in a garage or similar environment.
- Do not operate this unit with a charge power cord.
- Use only the provided parts or attachments supplied, recommended or sold by the manufacturer specifically for use with this unit. Unauthorized parts may damage the unit or result in electrical shock and bodily injury.
- Use these instructions for future reference.



- If the battery is in good status, the Charging LED will light up to indicate that the battery charging is in process (refer to the Approximate Charging Times section for battery charging durations).
- As the battery nears full charge capacity, the unit's output charge rate will automatically drop then the Charging LED indicator will dim out and the Power/Charged LED will stay on.
- The Power/Charged LED illuminates when the battery is fully charged and enters the Stage Three Automatic Float Charging.

CLAMP CONNECTIONS FOR INSTALLED BATTERY CHARGING

1. When disconnecting the Battery Charger, disconnect the AC power cord, remove clamp from vehicle chassis or remote Negative (NEG, -) terminal/post, and then remove the Positive (POS, P, +) terminal/post. Store the Trickle Battery Charger and all accessories.
2. Store the Trickle Battery Charger and all accessories.

APPROXIMATE CHARGING TIMES

The Automatic Quick Charge Battery Charger will automatically adjust the charge rate as the battery becomes charged and stop when the battery is fully charged. **Note: Deep cycle batteries may require longer charging time.**
For estimates of the time it takes to charge a battery, refer to the following table.
Percent of charge in battery: 75%, 50%, 25%, 0%
At 2 Amps: 7.5h, 15h, 30h, 45h
At 1 Amp: 15h, 30h, 60h, 90h
At 0.5 Amp: 30h, 60h, 120h, 180h
At 0.25 Amp: 60h, 120h, 240h, 360h
At 0.125 Amp: 120h, 240h, 480h, 720h
At 0.0625 Amp: 240h, 480h, 960h, 1440h
At 0.03125 Amp: 480h, 960h, 1920h, 2880h
At 0.015625 Amp: 960h, 1920h, 3840h, 5760h
At 0.0078125 Amp: 1920h, 3840h, 7680h, 11520h
At 0.00390625 Amp: 3840h, 7680h, 15360h, 23040h
At 0.001953125 Amp: 7680h, 15360h, 30720h, 46080h
At 0.0009765625 Amp: 15360h, 30720h, 61440h, 92160h
At 0.00048828125 Amp: 30720h, 61440h, 122880h, 184320h
At 0.000244140625 Amp: 61440h, 122880h, 245760h, 368640h
At 0.0001220703125 Amp: 122880h, 245760h, 491520h, 737280h
At 0.00006103515625 Amp: 245760h, 491520h, 983040h, 1474560h
At 0.000030517578125 Amp: 491520h, 983040h, 1966080h, 2949120h
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