ADVERTENCIA
Este producto contiene una sustancia química conocida en el Estado de California como causante de cáncer o defectos de nacimiento u otros daños reproductivos.

MODEL NO. PKC0AL
AUTOMATIC BATTERY CHARGER
OWNER'S MANUAL & WARRANTY INFORMATION

12 VOLT 2/10 AMPERE, SUITABLE FOR MARINE AND AUTOMOTIVE BATTERIES
WITH REVERSE POLARITY, SHORT CIRCUIT AND OVERLOAD PROTECTION

WARNING – RISK OF EXPLOSIVE GASES
1. WORKING IN VICINITY OF A LEAD-ACID BATTERY IS DANGEROUS. BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL BATTERY OPERATION. FOR THIS REASON, IT IS OF UTMOST IMPORTANCE THAT EACH TIME BEFORE USING YOUR CHARGER, YOU READ THIS MANUAL AND FOLLOW THE INSTRUCTIONS EXACTLY.

2. To reduce risk of battery explosion, follow these instructions and those published by the battery manufacturer and manufacturer of any equipment you intend to use in vicinity of battery. Review cautionary marking on these products and on engine.

GENERAL BATTERY SAFETY:
Review cautionary marking on these products and on engine.

1. Do not expose charger to rain or snow.

2. Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire, electric shock, or injury to persons.

3. To reduce risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting charger.

4. An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of fire and electric shock. If extension cord must be used, make sure:
   a. That pins on plug of extension cord are the same number, size, and shape as those of plug on charger;
   b. That extension cord is properly wired and in good electrical condition; and
   c. That wire size is large enough for AC ampere rating of charger as specified on Appendix C, that is AWG #18 (18 gauge) for up to 100 feet; AWG #16 (16 gauge) for distances over 100 feet.

5. Do not operate charger with damaged cord or plug – replace the cord or plug immediately.

6. Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified serviceman.

7. Do not disassemble charger; take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.

8. To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.

9. Use charger for charging a LEAD-ACID battery only. It is not intended to supply power to a low voltage electrical system other than in an automotive or marine application. Do not use battery charger for charging dry-cell batteries that are commonly used with home and portable appliances. These batteries may burst and cause injury to persons and damage to property.

10. Never charge a frozen battery

IMPORTANT SAFETY INSTRUCTIONS
SAVE THESE INSTRUCTIONS

This manual contains important safety and operating instructions for battery charger Model PKC0AL

© 2014
PERSONAL PRECAUTIONS AND SAFETY

1. Consider having someone close enough by to come to your aid when you work near a lead-acid battery.
2. Avoid touching eyes while working on or near any battery. Have plenty of fresh water and soap nearby in case of battery acid comes in contact with skin, eyes or clothing.
3. Wear complete eye protection and clothing protection. Avoid touching eyes while working with a battery.
4. If battery acid contacts skin or clothing, wash immediately with soap and water. Acid, acid particles or corrosion may get into eyes. If acid enters eye, immediately flood eye with running cold water for at least 10 minutes and get medical attention immediately.
5. NEVER smoke or allow a spark or flame in vicinity of battery or engine.
6. Be extra cautious to reduce risk of dropping a metal tool onto battery. It might spark or short-circuit battery or other electrical part that may cause explosion.
7. Remove personal metal items such as rings, bracelets, necklaces, watches, etc. when working with a lead-acid battery. A lead-acid battery can produce a short-circuit current high enough to weld a ring or the like to metal, causing a severe burn.
8. Use the charger for charging a LEAD-ACID battery only. It is not intended to supply power to a low voltage electrical system other than in a starter-motor application. Do not use battery charger for charging dry-cell batteries that are commonly used with home appliances. These batteries may burst and cause injury to persons and damage to property.
9. Never charge a frozen battery - Let it thaw completely before charging. Charging will not only be safer, it will also be more efficient.

FIRST AID:

SKIN: If battery acid comes in contact with skin, rinse thoroughly with running water, then wash thoroughly with soap and water. If redness, pain or irritation occurs, seek immediate medical attention.

EYES: If battery acid comes in contact with eyes, flush immediately for minimum of 10 minutes. Then seek medical attention.

PREPARING TO CHARGE

1. If it is necessary to remove battery from vehicle to charge, or to clean terminals, always remove grounded terminal from battery first. Make sure all accessories in the vehicle are turned off, so as not to cause an arc.
2. Be sure area around battery is well ventilated while battery is being charged. Gas can be forcefully blown away by using a piece of cardboard or other nonmetallic material as a fan.
3. Clean battery terminals. Be careful to keep corrosion from coming in contact with eyes or skin.
4. For batteries with removable vent caps, add distilled water in each cell until battery acid reaches level specified by battery manufacturer. This helps purge excessive gas from cells. Do not overfill. For a battery without cell caps, carefully follow manufacturer’s recharging instructions.
5. Study all battery manufacturers’ specific precautions such as removing or not removing cell caps while charging and recommended rates of charge.
6. Determine voltage of battery by referring to car owner’s manual and make sure that output voltage selector switch is set at correct voltage. If charger has adjustable charge amperage rate, charge battery initially at lowest rate. Use only on 12V batteries.

CHARGER LOCATION

1. Locate charger as far away from battery as cables permit.
2. Never place charger directly above battery being charged; gases from battery will corrode and damage charger.
3. Never allow battery acid to drop on charger when reading gravity or filling battery.
4. Do not operate charger in a closed-in area or restrict ventilation in any way. Marine batteries must be removed and charged on shore.
5. Do not set a battery on top of charger.
FOLLOW THESE STEPS WHEN BATTERY IS OUTSIDE VEHICLE. A SPARK NEAR THE BATTERY MAY CAUSE BATTERY EXPLOSION. TO REDUCE RISK OF A SPARK NEAR BATTERY:

1. Connect and disconnect DC output clips only after removing AC cord from electric outlet.
2. Never allow clips to touch each other.
3. Attach clips to battery posts and twist or rock back and forth several times to make a good connection. This tends to keep clips from slipping off terminals and helps to reduce risk of sparking.

FOLLOW THESE STEPS WHEN BATTERY IS INSTALLED IN VEHICLE. A SPARK NEAR BATTERY MAY CAUSE BATTERY EXPLOSION. TO REDUCE RISK OF A SPARK NEAR BATTERY:

1. Connect and disconnect DC output clips only after removing AC cord from electric outlet.
2. Stay clear of fan blades, belts, pulleys, and other parts that can cause injury to persons.
3. Check polarity of battery posts. POSITIVE (POS, P, +) battery post usually has larger diameter than NEGATIVE (NEG, N, -) post.

DANGER - NEVER alter an AC cord or plug. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician. Improper connection can result in a risk of electric shock.

DC CONNECTION PRECAUTIONS

1. Determine which post of battery is grounded (connected) to the chassis. If negative post is grounded to chassis (as in most vehicles), see (e). If positive post is grounded to the chassis, see (f).
2. Determine which post of battery is grounded (connected) to the chassis. If negative post is grounded to the chassis (as in most vehicles), see (e). If positive post is grounded to the chassis, see (f).
3. Determine which post of battery is grounded (connected) to the chassis. If negative post is grounded to the chassis (as in most vehicles), see (e). If positive post is grounded to the chassis, see (f).
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10. Determine which post of battery is grounded (connected) to the chassis. If negative post is grounded to the chassis (as in most vehicles), see (e). If positive post is grounded to the chassis, see (f).

For positive-grounded vehicle, connect POSITIVE (RED) clip from battery charger to POSITIVE (POS, P, +) ungrounded post of battery. Connect NEGATIVE (BLACK) clip to vehicle chassis or engine block away from battery. Do not connect clip to carburetor, fuel lines, or sheet-metal body parts. Connect to heavy gauge metal part of the frame or engine block.

For negative-grounded vehicle, connect NEGATIVE (BLACK) clip from battery charger to NEGATIVE (NEG, N, -) ungrounded post of battery. Connect POSITIVE (RED) clip to vehicle chassis or engine block away from battery. Do not connect clip to carburetor, fuel lines, or sheet-metal body parts. Connect to a heavy gauge metal part of the frame or engine block.

When disconnecting charger, turn switches to off, disconnect AC cord, remove clip from vehicle chassis, and then remove clip from battery terminal.

See operating instructions for length of charge information.

AC POWER CORD CONNECTIONS

DANGER - NEVER alter an AC cord or plug. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician. Improper connection can result in a risk of electric shock.

1. Connect POSITIVE (POS, P, +) battery post usually has larger diameter than NEGATIVE (NEG, N, -) post.
2. Attach at least a 24-inch-long 6-gauge (AWG) insulated battery cable to NEGATIVE (NEG, N, -) post.
3. Position AC and DC cords to reduce risk of damage by hood, door, or moving engine part.
4. Connect POSITIVE (POS, P, +) charger clip to POSITIVE (POS, P, +) post of battery.
5. Connect POSITIVE (RED) charger clip to free end of cable.
6. Attach at least a 24-inch-long 6-gauge (AWG) insulated battery cable to NEGATIVE (NEG, N, -) post.
7. Position yourself and free end of cable as far away from battery as possible then connect NEGATIVE (NEG, N, -) charger clip to NEGATIVE (NEG, N, -) post.
8. Connect POSITIVE (RED) charger clip to POSITIVE (POS, P, +) post of battery.
9. Connect NEGATIVE (BLACK) clip to vehicle chassis or engine block away from battery.
10. Connect POSITIVE (RED) clip to free end of cable.
11. Connect POSITIVE (POS, P, +) charger clip to POSITIVE (POS, P, +) post of battery.
12. Connect NEGATIVE (NEG, N, -) clip from battery charger to NEGATIVE (NEG, N, -) post of battery.
13. Position AC and DC cords to reduce risk of damage by hood, door, or moving engine part.
14. Connect POSITIVE (POS, P, +) charger clip to POSITIVE (POS, P, +) post of battery.
15. Connect NEGATIVE (NEG, N, -) clip from battery charger to NEGATIVE (NEG, N, -) post of battery.
16. Position AC and DC cords to reduce risk of damage by hood, door, or moving engine part.
17. Connect POSITIVE (POS, P, +) charger clip to POSITIVE (POS, P, +) post of battery.
18. Connect NEGATIVE (NEG, N, -) clip from battery charger to NEGATIVE (NEG, N, -) post of battery.
19. Position AC and DC cords to reduce risk of damage by hood, door, or moving engine part.
20. Connect POSITIVE (POS, P, +) charger clip to POSITIVE (POS, P, +) post of battery.
21. Connect NEGATIVE (NEG, N, -) clip from battery charger to NEGATIVE (NEG, N, -) post of battery.
22. Position AC and DC cords to reduce risk of damage by hood, door, or moving engine part.
23. Connect POSITIVE (POS, P, +) charger clip to POSITIVE (POS, P, +) post of battery.
24. Connect NEGATIVE (NEG, N, -) clip from battery charger to NEGATIVE (NEG, N, -) post of battery.
Thank you for selecting the PEAK Model PKC0AL 2/10A 12V Battery Charger. With proper care and use, it will give you years of dependable service. Please read all safety warnings and cautions, and this entire User's Manual, before using this device. The manual should then be retained for easy reference whenever the unit is used.

This model battery charger has a charge rate of up to 10 amps and low charge rate up to 2 amps. It is intended for charging only 12 volt lead-acid batteries - maintenance-free and conventional automotive, marine deep cycle - that are usually used in cars, trucks, farm equipment, boats, RVs and SUVs, lawn mowers and garden tractors, motorcycles, personal watercraft, snowmobiles, ATVs, and various light commercial applications.

Charges 12 Volt automotive batteries in only 3-6 hours. Two settings on charge rate selector:
- 2 Amps: 12-volt motorcycle, lawn mower, and Jet Ski type batteries
- 10 Amps: 12-volt automotive, truck and marine deep-cycle batteries.

- Heavy-duty transformer and rectifier for dependability
- Built-in short circuit protection and reverse polarity protection
- Indication when AC power is supplied to charger
- Indication when 12 Volt battery is full
- Indication when charging the battery
- Heavy-duty cables and steel nickel plated clamps are corrosion-resistant for better connections
- Connect to side- or top-mount battery terminals
- Attractive Plastic case
- Ideal for charging during winter season when the starting performance of vehicle batteries is lowered by cold or extreme weather conditions. See Figure 1.

Storing of the cables

Included with the Battery Charger are 4 pieces of "U" shaped bracket. These should be assembled to the rear of the charger. Both mains and DC leads can be wound onto these brackets for storage. See Figure 2.

FIGURE 1

FIGURE 2
CHARGER CONTROLS

Charger controls and indications are located on the front panel. Understand control use before operating charger.

LED DISPLAY

The unit is built-in with LED display for showing charger status:

- "FULL CHARGE" / GREEN – the battery is fully charged and the charger is in maintenance mode.
- "CHARGING" / AMBER – the charger is charging to the battery.
- "POWER" / GREEN – the charger is connected to AC power.
- "REVERSE POLARITY" / RED – DC clamps are connected in reverse polarity.

Reverse-polarity protection

This unit offers reverse-polarity protection, the RED "REVERSE POLARITY" LED will illuminate and the charging process will not start. If this happens, unplug immediately from AC Outlet, connect the red clamp to positive (+) battery post, and black clamp to negative (-) post, then plug back into AC power and the charging process will start.

Short-circuit protection

Should you accidentally touch the clamps together while the AC power is plugged in, the circuit breaker will activate and the unit will not perform charging. Unplug from AC power, disconnect and start the process again being careful not to touch the clamps together.

Automatic full charge

When the battery is fully charged, the charger will automatically switch to the maintenance float mode charge. The Green "FULL CHARGE" LED will illuminate. You can then unplug and disconnect the battery if you do not want to leave the charger in maintenance float mode.

Overload protection

The unit is built-in with an automotive reset circuit breaker. When the charging current exceeds rated current, the charging process will automatically stop. Unplug from AC power, disconnect the battery and restart the process.

Selection of current (2A Charge / 10A Charge)

The battery charger is equipped with a slow/fast charge selector. If you are charging a small lead acid battery, or you only require a slow charge, then you should toggle the rocker switch to 2Amp charge. If, however, you are charging a large, or leisure type battery, or you require a quick boost charge then you should toggle the switch to 10Amp charge.

Selection of battery type

When a standard type lead acid battery is to be charged, toggle the rocker switch to "Standard 12V Batteries". When a Gel Cell type battery is to be charged, toggle to "GEL Type Batteries". Dependent on the type of battery you have selected, the battery charger will automatically switch to maintenance mode at different cutoff full voltage level.
**Charging**

Insert the AC plug into the outlet. The GREEN “POWER ON” LED will light up and the charger will now be operating (there is no on/off switch on the charger).

If all the conditions are fine, the battery charger will start supplying current and the AMBER “CHARGING” indicator will light up.

When charging is completed, the charger will automatically switch to maintenance mode. The GREEN “FULL CHARGE” LED will illuminate and indicates that the battery is now fully charged.

When the charging is complete

Unplug the charger and disconnect the leads from the battery posts. Inspect the liquid levels in each cell and top off if necessary, using the correct fluid. Now replace the caps. Any surplus fluid around the cell tops should be wiped off (this should be done with extreme care as it may be acidic). If the battery has been removed from vehicle, replace it and reconnect the cables.

**Electrolyte for non-permanently sealed types**

Regularly check the specific gravity of the liquid, using a hydrometer, until a reading of Full Charged, or 1.250, is reached. A charging time of more than 15 hours is recommended for batteries of 100-120 amp hour capacity.

**WARNING:** BATTERIES GET WARM DURING CHARGING. IF BATTERIES ARE GETTING HOT, DISCONTINUE CHARGING AND INVESTIGATE FOR DAMAGED BATTERY.

**Circuit Breaker**

This battery charger has an automatic reset circuit breaker that protects the charger from temporary overloads and the charging process will automatically stop. To resume the charging, unplug from AC Power, disconnect the charger if cords or clamps have been damaged.

Keep the charger cords loosely coiled during storage to prevent damage to the cords. Do not use the charger if cords or clamps have been damaged.

Clean the outside case of the charger with a soft cloth and, if necessary, mild soap solution. After each use, clean the battery charger clamps – be sure to remove any battery fluid that will cause corrosion of the copper clamps.

**Pre-Charge Activation**

Pre-charge activation is the term for the time it takes before a battery begins to accept a measurable rate of charge – it can be as long as 4 to 8 hours from the time the charging process begins.

Pre-charge activation is indicated if a hydrometer or voltmeter reading shows that the battery is fully discharged. The newer, high-calcium type 12 Volt DC batteries may need pre-charge activation if their charge has been allowed to drop to a very low level. When deeply discharged, this type of battery will provide only a very low voltage output and will draw less than 1 amp during the recharging process, until activated.

**Charging Times**

The PKC0AL is an automatic float mode battery charger. If you require some estimate of time it takes to charge a battery, refer to Appendix A for these details. The FULL CHARGE indicator lights when a 12 volt battery is fully charged.

**Care and Maintenance**

With only minimal maintenance, the PEAK 12 Volt 2/10 Amp Automatic Battery Charger will deliver years of dependable service. Follow these simple steps to maintain the charger in optimum condition:

- After each use, clean the battery charger clamps – be sure to remove any battery fluid that will cause corrosion of the copper clamps.

- Clean the outside case of the charger with a soft cloth and, if necessary, mild soap solution.

- Keep the charger cords loosely coiled during storage to prevent damage to the cords. Do not use the charger if cords or clamps have been damaged.

- Regularly check the specific gravity of the electrolyte for non-permanently sealed types.

- Unplug the charger and disconnect the leads from the battery posts. Inspect the liquid levels in each cell and top off if necessary, using the correct fluid. Now replace the caps. Any surplus fluid around the cell tops should be wiped off (this should be done with extreme care as it may be acidic). If the battery has been removed from vehicle, replace it and reconnect the cables.

- Electrolyte for non-permanently sealed types

- Clean the outside case of the charger with a soft cloth and, if necessary, mild soap solution.

- Keep the charger cords loosely coiled during storage to prevent damage to the cords. Do not use the charger if cords or clamps have been damaged.

**WARNING:** BATTERIES GET WARM DURING CHARGING. IF BATTERIES ARE GETTING HOT, DISCONTINUE CHARGING AND INVESTIGATE FOR DAMAGED BATTERY.
TROUBLESHOOTING

VERY COLD BATTERY

If the battery to be charged is extremely cold (in temperatures less than freezing - (0°C/32°F) it cannot accept a high rate of charge so the initial charge rate will be slow. The rate of charge will increase as the battery warms.

WARNING: DO NOT attempt to charge a frozen battery.

SULFATED BATTERY

When batteries are left in a discharged state for a long period of time, they become “sulfated”. Sulfated batteries cannot accept a high rate of charge since the internal plates are coated with lead sulfate. To see if a battery in this condition can be “saved”, take it to a service station or battery distributor for professional evaluation and/or service.

SHORT-CIRCUITED BATTERY

- If the battery to be charged has been short-circuited, the charger may cycle on and off.
- Using a voltmeter, determine the voltage of battery and if it is under 12 volts (6 volts for 6 volt batteries), the battery is probably beyond repair and recharging, and will need to be replaced.
- If the voltage is over 12 volts, reconnect the charger and resume the charging process.

BATTERY IS NOT ACCEPTING CHARGE

- First, make sure the battery is capable of being charged – ensure that it is not sulfated or damaged.
- Make sure that the charger is powered by a “live” 110/120-volt grounded AC outlet. See power indicator.
- Refer to Charging Time (Appendix Table 2) to ensure that enough time is being allowed to charge the battery.
- See Pre-Charge Battery Activation

APPENDIX A - CHARGING TIMES

To calculate the approximate charging time required to fully charge a battery, it is necessary to determine the specific gravity (or, percent of battery charge) using a hydrometer. Use this technique, if battery vent caps can be removed. Check each cell. If there is one cell with a very low specific gravity compared to the other cells, the charge time should be adjusted using the formula shown below and adding 1 hour to the time calculated. Also refer to Table 2.

APPENDIX A - CHARGING TIMES

<table>
<thead>
<tr>
<th>Percent of Charge Voltage by Battery</th>
<th>Unloaded 12 Volt Battery</th>
<th>Specific Gravity (Hydrometer Reading)</th>
<th>Percent of Charge Remaining In Battery</th>
<th>Percent of Charge Needed By Battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>0%</td>
<td>11.64</td>
<td>1.220</td>
<td>0%</td>
<td>100%</td>
</tr>
<tr>
<td>25%</td>
<td>11.76</td>
<td>1.155</td>
<td>25%</td>
<td>75%</td>
</tr>
<tr>
<td>50%</td>
<td>12.00</td>
<td>1.190</td>
<td>50%</td>
<td>50%</td>
</tr>
<tr>
<td>75%</td>
<td>12.30</td>
<td>1.225</td>
<td>75%</td>
<td>25%</td>
</tr>
<tr>
<td>100%</td>
<td>12.63</td>
<td>1.265</td>
<td>100%</td>
<td>0%</td>
</tr>
</tbody>
</table>

The times shown in the chart above are approximate and refer to an average automotive battery. For smaller batteries, the charge time should be adjusted using the formula shown below and adding 1 hour to the time calculated. Also refer to Table 2.
To estimate charging time for a discharged battery, divide the AH rating of the battery by the charge rate selected. This is the number of hours required to recharge the battery. For example, a 50AH (12 volt) battery is discharged to 10 volts. How long should it be charged at the 10 Amp rate? Divide the 50AH by 10A. The answer is approximately 5 hours. Always round up the charge time by 25% to ensure full charge. In most cases, battery recharge times will vary depending on the age and condition of the battery. Smaller batteries should be charged at 2 Amps and add an extra hour to charge time. See Table 2.

<table>
<thead>
<tr>
<th>PERCENT OF CHARGE</th>
<th>75%</th>
<th>50%</th>
<th>25%</th>
<th>0%</th>
</tr>
</thead>
<tbody>
<tr>
<td>2AMP/12 VOLTS</td>
<td>6.5 HRS</td>
<td>12 HRS</td>
<td>18 HRS</td>
<td>23 HRS</td>
</tr>
<tr>
<td>10AMP/12 VOLTS</td>
<td>1.8 HRS</td>
<td>3.0 HRS</td>
<td>4.5 HRS</td>
<td>6.0 HRS</td>
</tr>
</tbody>
</table>

**APPENDIX B - SPECIFICATIONS**

- Height: 9.0”
- Width: 6.9”
- Depth: 4.0”
- Weight: 8.8 lbs
- Internal protection: Self-resetting breaker
- AC Power: Indicator LED
- Reverse Polarity: Indicator LED
- Battery Charging: Indicator LED
- Charging Complete (12Volt Battery is Fully Charged): Indicator LED
- Input Voltage: 120V AC, 60 Hz, 1.8 Amperes

**APPENDIX C – Recommended minimum AWG size for extension cords for battery charger**

<table>
<thead>
<tr>
<th>Length of cord, feet (m)</th>
<th>Equal to or greater than</th>
<th>But less than</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>25 (7.6)</td>
<td>50 (15.2)</td>
</tr>
<tr>
<td></td>
<td>100 (30.5)</td>
<td>150 (45.6)</td>
</tr>
<tr>
<td>0</td>
<td>2</td>
<td>18</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>18</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>18</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>18</td>
</tr>
<tr>
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<td>6</td>
<td>18</td>
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<tr>
<td>6</td>
<td>8</td>
<td>18</td>
</tr>
<tr>
<td>7</td>
<td>10</td>
<td>18</td>
</tr>
</tbody>
</table>

*If the input rating of a charger is given in watts rather than in amperes, the corresponding ampere rating is to be determined by dividing the wattage rating by the voltage rating – for example:

1250 watts/125 volts = 10 amperes

**APPENDIX D**

- **Recommended minimum AWG size for extension cords for battery charger**
- **Input Voltage**: 120V AC, 60 Hz, 1.8 Amperes

<table>
<thead>
<tr>
<th>Length of cord, feet (m)</th>
<th>Equal to or greater than</th>
<th>But less than</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>25 (7.6)</td>
<td>50 (15.2)</td>
</tr>
<tr>
<td></td>
<td>100 (30.5)</td>
<td>150 (45.6)</td>
</tr>
<tr>
<td>0</td>
<td>2</td>
<td>18</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>18</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>18</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>18</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>18</td>
</tr>
<tr>
<td>6</td>
<td>8</td>
<td>18</td>
</tr>
<tr>
<td>7</td>
<td>10</td>
<td>18</td>
</tr>
</tbody>
</table>

*If the input rating of a charger is given in watts rather than in amperes, the corresponding ampere rating is to be determined by dividing the wattage rating by the voltage rating – for example:
LIMITED WARRANTY

Manufacturer warrants to the original consumer, or purchaser, that the PEAK® PKC0AL Battery Charger will be free from defects in material and workmanship for one year from the date of sale to the original purchaser. Manufacturer hereby excludes and disclaims any and all other warranties, expressed or implied, beyond those warranties specified above. Manufacturer excludes any implied warranty of merchantability or fitness for a particular purpose.

IF YOUR PEAK® BATTERY CHARGER MALFUNCTIONS DUE TO A DEFECT IN MATERIALS AND WORKMANSHIP WITHIN THE ONE-YEAR WARRANTY PERIOD, MANUFACTURER WILL, AT ITS ELECTION REPAIR OR REPLACE IT. MANUFACTURER SHALL NOT, HOWEVER, BE RESPONSIBLE FOR ANY DAMAGE TO YOUR PRODUCT DUE TO ANY CAUSE OTHER THAN DEFECTS IN MATERIAL OR WORKMANSHIP, INCLUDING WITHOUT LIMITATION: FAILURE TO FOLLOW INSTRUCTIONS FOR USE; MISUSE; REPAIRS BY AN UNAUTHORIZED PERSON; MISHANDLING; MODIFICATIONS; NORMAL WEAR AND TEAR; ACCIDENT OR OVERLOAD. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. MANUFACTURER SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES FOR BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY ON THIS PRODUCT OR BASED ON ANY OTHER CAUSE OR CLAIM.

To Obtain Service:
1. Before returning this product for any reason, please call toll free (800) 477-5847.
2. Do not return your PEAK® product to the place of purchase for service. Send your unit, postage prepaid and insured, along with a copy of the original sales receipt and a phone number to the address below. Pack your unit properly, as we are not responsible for any damage caused during shipping.

Old World Industries, Inc.
c/o Technical Services
4065 Commercial Avenue
Northbrook, IL 60062

3. A copy of the original receipt is required for warranty service. If no receipt is provided, the unit manufacturer’s date will be used as the date of purchase.

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