POWERED BY SCHUMACHER

PROSERIES™

MODEL

DSR15

Battery Charger/Maintainer

OWNERS MANUAL

PLEASE SAVE THIS OWNER'S MANUAL AND READ BEFORE EACH USE.
This manual will explain how to use the charger safely and effectively. Please read and follow these instructions and precautions carefully.

0099001997-00

Markings and symbols


Read manual before using product..


Protect your eyes.


Wear protective clothing.

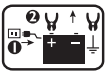

Risk of explosive gases.


Risk of electric shock.


Do not expose to rain or snow.


Never smoke or allow flames and sparks.


Keep out of reach of children.


Disconnect the mains cable before connecting or disconnecting the clamps.


Use in a well-ventilated area.

1. IMPORTANT SAFETY INSTRUCTIONS – SAVE THESE INSTRUCTIONS.

This manual will show you how to use your charger safely and effectively. Please read, understand and follow these instructions and precautions carefully, as this manual contains important safety and operating instructions. The safety messages used throughout this manual contain a signal word, a message and an icon.

The signal word indicates the level of the hazard in a situation.

⚠DANGER Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury to the operator or bystanders.

⚠WARNING Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or bystanders.

IMPORTANT Indicates a potentially hazardous situation which, if not avoided, could result in damage to the equipment or vehicle or property damage.

⚠WARNING **RISK OF ELECTRIC SHOCK OR FIRE.**

1.1 Read the entire manual before using this product. Failure to do so could result in serious injury or death.

1.2 Children should be supervised to ensure that they do not play with the appliance. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge unless they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

1.3 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 an extension cord must be used, make sure:

- The pins on the plug of the extension cord are the same number, size and shape as those of the plug on the charger.
- The extension cord is properly wired and in good electrical condition.
- The wire size is large enough for the AC ampere rating of the charger as specified in section 7.3.

1.4 To reduce the risk of damage to the electric plug or cord, pull by the plug rather than the cord when disconnecting the charger.

1.5 Do not operate the charger with a damaged cord or plug. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

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

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

⚠WARNING **RISK OF EXPLOSIVE GASES.**

1.8 WORKING IN THE 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 YOU FOLLOW THE INSTRUCTIONS EACH TIME YOU USE THE CHARGER.

1.9 To reduce the risk of a battery explosion, follow these instructions and those published by the battery manufacturer and the manufacturer of any equipment you intend to use in the vicinity of the battery. Review the

cautionary markings on these products and on the engine.

1.10 This charger employs parts, such as switches and circuit breakers, that tend to produce arcs and sparks. If used in a garage, locate this charger 18 inches (46 cm) or more above floor level.

⚠WARNING Do not use with non-rechargeable batteries. Use only with lead-acid type rechargeable batteries.

IMPORTANT Do not start the vehicle with the charger connected to the AC outlet, or it may damage the charger and your vehicle.

2. PERSONAL PRECAUTIONS

⚠WARNING **RISK OF EXPLOSIVE GASES.**

2.1 Remove personal metal items such as rings, bracelets, necklaces and watches 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.

2.2 Be extra cautious, to reduce the risk of dropping a metal tool onto the battery. It might spark or short-circuit the battery or other electrical part that may cause an explosion.

2.3 Use this charger for charging only LEAD-ACID batteries with 3 cells (6V) or 6 cells (12V) and rated capacities of 5-180Ah. It is not intended to supply power to a low voltage electrical system other than in a starter-motor application. Do not use this 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.

2.4 NEVER charge a frozen battery.

2.5 Consider having someone nearby to come to your aid when you work near a lead-acid battery. Have plenty of fresh water and soap nearby in case battery acid contacts your skin, clothing or eyes.

2.6 If battery acid contacts your skin or clothing, immediately wash the area with soap and water. If acid enters your eye, immediately flood the eye with cold running water for at least 10 minutes and get medical attention right away. If battery acid is accidentally swallowed, drink milk, the whites of eggs or water. DO NOT induce vomiting. Seek medical attention immediately.

3. PREPARING TO CHARGE

⚠WARNING **RISK OF CONTACT WITH BATTERY ACID. BATTERY ACID IS A HIGHLY CORROSIVE SULFURIC ACID.**

3.1 Remove all cord wraps and uncoil the cables prior to using the battery charger.

3.2 If it is necessary to remove the battery from the vehicle to charge it, always remove the grounded terminal first. Make sure all of the accessories in the vehicle are off, to prevent arcing.

3.3 Clean the battery terminals before charging the battery. During cleaning, keep airborne corrosion from coming into contact with your eyes, nose and mouth. Use baking soda and water to neutralize the battery acid and help eliminate airborne corrosion. Do not touch your eyes, nose or mouth.

3.4 Add distilled water to each cell until the battery acid reaches the level specified by the battery manufacturer. Do not overfill. For a battery without removable cell caps, such as valve regulated lead-acid batteries (VRLA), carefully follow the manufacturer's recharging instructions.

3.5 Read, understand and follow all instructions for the charger, battery, vehicle and any equipment used near the battery and charger. Study all of the battery manufacturer's specific precautions while charging and recommended rates of charge.

3.6 Determine the voltage of the battery by referring to the vehicle owner's manual. This charger is equipped with Auto Voltage Detection of 6 or 12 volts.

3.7 Make sure that the charger cable clips make tight connections.

4. CHARGER LOCATION

⚠WARNING **RISK OF EXPLOSION AND CONTACT WITH BATTERY ACID.**

4.1 During charging, the battery must be placed in a well ventilated area.

4.2 The appliance incorporates an earth connection for functional purposes only.

4.3 Locate the charger as far away from the battery as the DC cables permit.

4.4 Never place the charger directly above the battery being charged; gases from the battery will corrode and damage the charger.

4.5 Do not set the battery on top of the charger.

4.6 Never allow battery acid to drip onto the charger when reading the electrolyte specific gravity or filling the battery.

5. FOLLOW THESE STEPS WHEN BATTERY IS INSTALLED IN VEHICLE

⚠WARNING A SPARK NEAR THE BATTERY MAY CAUSE A BATTERY EXPLOSION. TO REDUCE THE RISK OF A SPARK NEAR THE BATTERY:

5.1 Position the AC and DC cables to reduce the risk of damage by the hood, door and moving or hot engine parts. NOTE: If it is necessary to close the hood during the charging process, ensure that the hood does not touch the metal part of the battery clips or cut the insulation of the cables.

5.2 Stay clear of fan blades, belts, pulleys and other parts that can cause injury.

5.3 Check the polarity of the battery posts. The POSITIVE (POS, P, +) battery post usually has a larger diameter than the NEGATIVE (NEG, N, -) post.

5.4 Determine which post of the battery is grounded (connected) to the chassis. The battery terminal not connected to the chassis has to be connected first. The other connection is to be made to the chassis, remote from the battery and fuel line. The battery charger is then to be connected to the supply mains. See steps 5.5 and 5.6.

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

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

5.7 Connect charger AC supply cord to electrical outlet.

5.8 After charging, disconnect the battery charger from the supply mains. Then remove the chassis connection and then the battery connection.

5.9 See *Calculating Charge Time* for length of charge information.

6. FOLLOW THESE STEPS WHEN BATTERY IS OUTSIDE VEHICLE

⚠WARNING A SPARK NEAR THE BATTERY MAY CAUSE A BATTERY EXPLOSION. TO REDUCE THE RISK OF A SPARK NEAR THE BATTERY:

6.1 Check the polarity of the battery posts. The POSITIVE (POS, P, +) battery post usually has a larger diameter than the NEGATIVE (NEG, N, -) post.

6.2 Attach at least a 24-inch (61 cm) long 6-gauge (AWG) insulated battery cable to the NEGATIVE (NEG, N, -) battery post.

6.3 Connect the POSITIVE (RED) charger clip to the POSITIVE (POS, P, +) post of the battery.

6.4 Position yourself and the free end of the cable you previously attached to the NEGATIVE (NEG, N, -) battery post as far away from the battery as possible – then connect the NEGATIVE (BLACK) charger clip to the free end of the cable.

6.5 Do not face the battery when making the final connection.

6.6 Connect charger AC supply cord to electrical outlet.

6.7 When disconnecting the charger, always do so in the reverse order of the connecting procedure and break the first connection while as far away from the battery as practical.

6.8 A marine (boat) battery must be removed and charged on shore. To charge it onboard requires equipment specially designed for marine use.

7. GROUNDING AND AC POWER CORD CONNECTIONS

⚠WARNING **RISK OF ELECTRIC SHOCK OR FIRE.**

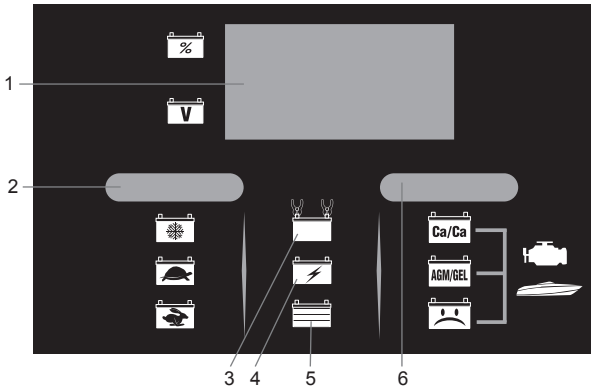
7.1 This battery charger is for use on a nominal 230-240V, 50 Hz circuit. (See the warning label on the charger for the correct input voltage.) The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances. The plug pins must fit the receptacle (outlet). Do not use with an ungrounded system.

7.2 **⚠DANGER** Never alter the AC cord or plug provided – if it does not fit the outlet, have a proper grounded outlet installed by a qualified electrician. An improper connection can result in a risk of an electric shock or electrocution.

7.3 Recommended minimum AWG size for extension cord:

- 100 feet (30.5 meters) long or less – use a 16 gauge (1.31 mm^2) extension cord.
- Over 100 feet (30.5 meters) long – use a 14 gauge (2.08 mm^2) extension cord.

8. CONTROL PANEL



1. Digital Display
2. Charge Rate Button
3. CONNECTED LED
4. CHARGING LED
5. CHARGED LED
6. Battery Type/Mode Button

NOTE: See *Operating Instructions* for a complete description of the charger modes.

Charge Rate Button
Use this button to set the maximum charge rate. Press the button until the desired charge rate is selected.

2A Maintain – Charges and maintains small batteries; maintains large batteries. Not for charging large batteries.

10A Charge –
Charges automotive and marine batteries.

15A Fast Charge –
Charges large automotive, marine and light truck batteries.

NOTE: Once the charger has started charging the battery; if you press the Charge Rate button once, the output current is shut off. If you press the Charge Rate button again, the current will go back on at the same setting it was when it was turned off. For example: The charger is charging a battery at the fast charge rate setting. If you press the Charge Rate button, the output is turned off. If you press the Charge Rate button again, the output will turn back on at the fast charge rate setting.

Battery Type/Mode Button
Set the type of battery to be charged, or Desulfation Mode:

Ca/Ca (Calcium) – Calcium batteries are acid batteries impregnated with calcium.

AGM/GEL (Absorbed Glass Mat/Gel) – AGM batteries have electrolyte absorbed in separators consisting of a sponge-like mass of matted glass fiber. Gel batteries contain gelled electrolytes. These batteries are sealed with valves and should not be opened.

(Desulfation Mode) –
A special mode of operation designed for sulfated batteries.

NOTE: When charging a battery that is not marked, check the manual of the item which uses the battery for the correct battery type. Make sure the battery complies with the safety instructions in Section 2.3.

9. OPERATING INSTRUCTIONS

⚠WARNING This battery charger must be properly assembled in accordance with the assembly instructions before it is used.

IMPORTANT Do not start the vehicle with the charger connected to the AC outlet, or it may damage the charger and your vehicle.

Battery Information
This charger can be used with 6 and 12V batteries with rated capacities of 5 Ah to 180 Ah.

See instructions for charging a battery inside a vehicle (Section 5) or outside of the vehicle (Section 6).

Charging

1. Ensure that all of the charger components are in place and in good working condition, for example, the plastic boots on the battery clips.
2. Connect the battery, following the precautions listed in sections 5 and 6.
3. Connect the AC power following the precautions listed in section 7.
4. Select the appropriate settings for your battery.

IMPORTANT This charger does not have an ON/OFF switch. ON and OFF are controlled by plugging in the charger to the AC wall outlet. The charger will not supply current to the battery clips until a battery is properly connected. The clips will not spark if touched together.

Battery Connection Indicator
If the charger does not detect a properly connected battery, the CONNECTED LED will not light. Charging will not begin if the CONNECTED LED is not on.

Automatic Charging Mode
When a charge rate is selected, the charger is set to perform an automatic charge. When an automatic charge is performed, the charger switches to the maintain mode automatically after the battery is charged.

Aborted Charge
If charging cannot be completed normally, charging will abort. When charging aborts, the charger's output is shut off and the CHARGING LED will flash. In that state, the charger ignores all buttons. To reset after an aborted charge, unplug the charger from the AC outlet, wait a few moments and plug it back in.

Desulfation Mode

IMPORTANT Battery must be removed from the car when using this mode, or damage to the car's electrical system may result.

If the battery is left discharged for an extended period of time, it could become sulfated and not accept normal charge. If you select , the charger will switch to a special mode of operation designed for sulfated batteries. If successful, the charger will fully desulfate and charge the battery, then the green LED will go on. If desulfation fails, the charger will abort and the CHARGING (yellow) LED will blink.

Completion Of Charge
Charge completion is indicated by the CHARGED LED. When lit, the charger has stopped charging and switched to the Maintain Mode of operation.

Maintain Mode
When the CHARGED LED is lit, the charger has started Maintain Mode. In this mode, the charger keeps the battery fully charged by delivering a small current when necessary. The voltage is maintained at a level determined by the battery type selected.

Maintaining a Battery (2A Charge Rate)
This charger has a maintenance setting that maintains both 6 and 12 volt batteries, keeping them at full charge. On this setting, it can charge small batteries and maintain both small and large batteries. We do not recommend charging a large battery on the maintenance setting.

NOTE: The maintain mode technology utilized in Schumacher's chargers allows you to safely charge and maintain a healthy battery for extended periods of time. However, problems with the battery, electrical problems in the vehicle, improper connections or other unanticipated conditions could cause excessive current draws. As such, occasionally monitoring your battery and the charging process is recommended.

Using the Battery Voltage Tester

1. With the charger unplugged from the AC outlet, connect the charger to the battery following the instructions given in sections 6 and 7.
2. Plug the charger AC power cord into the AC outlet, following the instructions given in section 8.

3. If necessary, press the BATTERY TYPE button until the correct type is indicated.
4. Read the voltage on the digital display. Keep in mind that this reading is only a battery voltage reading; a false surface charge may mislead you.

Power-Up Idle Time Limit
If no button is pressed within 10 minutes after the battery charger is first powered up, the charger will automatically switch from tester to charger if a battery is connected. In that case, the charger will be set to charge at the maintain mode and gel cell battery type.

Testing After Charging
After the unit has been changed from tester to charger (by selecting a charge rate), it remains a charger. To change the battery charger back to a tester, press the CHARGE RATE button until all charge rate LEDs are off.

Fan
The charger is designed to control its cooling fan for efficient operation. It is normal for the fan to start and stop when maintaining a fully charged battery. Keep the area near the charger free of obstructions to allow the fan to operate efficiently.

10. CALCULATING CHARGE TIME

BATTERY PERCENT AND CHARGE TIME
This charger adjusts the charging time in order to charge the battery completely, efficiently and safely. The microprocessor automatically performs the necessary functions. This section includes guidelines that can be used to estimate charging times. Use the following table to determine the time it will take to bring a battery to full charge. First, identify where your battery fits into the chart.

CCA = Cold Cranking Amps
Ah = Amp Hour MO = Maintain Only
NR = Not Recommended
Find your battery's rating on the following chart, and note the charge time given for each charger setting. The times given are for batteries with a 50% charge prior to recharging. Add more time for severely discharged batteries.

BATTERY SIZE/RATING			CHARGE RATE / CHARGING TIME		
			2 AMP	10 AMP	15 AMP
SMALL BATTERIES	Motorcycle, garden tractor, etc.	6-12 Ah	2-3¾ hrs	NR	NR
		12-32 Ah	3¾-10 hrs	NR	NR
CARS/TRUCKS	200-315 CCA	36-46 Ah	11¼-14½ hrs	2¼ -3 hrs	1½ -2 hrs
	315-550 CCA	46-58 Ah	MO	3-3¾ hrs	2-2½ hrs
	550-1000 CCA	58-111 Ah	MO	3¾-7 hrs	2½-4¾ hrs
MARINE/DEEP-CYCLE		56 Ah	MO	3½ hrs	2¼ hrs
		86 Ah	MO	5½ hrs	3½ hrs
		96 Ah	MO	6 hrs	4 hrs
		106 Ah	MO	6¾ hrs	4½ hrs

11. MAINTENANCE INSTRUCTIONS

11.1 Cleaning and user maintenance should not be done by children without supervision.

11.2 After use and before performing maintenance, unplug and disconnect the battery charger (see sections 5, 6 and 7).

11.3 Use a dry cloth to wipe all battery corrosion and other dirt or oil from the battery clips, cords and the charger case.

11.4 Ensure that all of the charger components are in place and in good working condition, for example, the plastic boots on the battery clips.

11.5 Servicing does not require opening the unit, as there are no user-serviceable parts.

11.6 All other servicing should be performed by qualified service personnel.

11.7 If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons, in order to avoid a hazard.

12. MOVING AND STORAGE INSTRUCTIONS

12.1 Store the charger unplugged, in an upright position. The cord will still conduct electricity until it is unplugged from the outlet.

12.2 If the charger is moved around the shop or transported to another location, take care to avoid/prevent damage to the cords, clips and charger. Failure to do so could result in personal injury or property damage.

13. SPECIFICATIONS

Input ..... 230-240V~50 Hz, 2.3A

Output ..... 6/12V ⎓ 2A, 10A, 15A

Weight ..... 1.28 kg

Reverse polarity protection ..... Yes

Operating temperature ..... 0°-40° C

14. TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
CONNECTED LED is not on.	The battery is not connected correctly. Battery voltage is at zero volts.	Check for proper connection to the battery. Turn off everything in the car and try to connect again.
CHARGING LED is blinking.	Charger is in abort mode. Battery is sulfated. Battery is bad.	Unplug the charger from the AC and plug it back in. Use (Desulfation Mode) for 8 hours. Have the battery checked.
CHARGED LED is on, but battery is not fully charged.	Surface charge voltage is high. Battery voltage is very low and the charger detects it as 6V, not 12V.	Replace the battery. Unplug the charger from the AC and plug it back in.
All LEDs are lit in an erratic manner.	A button may have been pressed while the charger was being plugged in.	Unplug the charger from the AC and plug it back in, without touching the control board.

15. DISPOSAL INFORMATION

This product should not be disposed with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

16. LIMITED WARRANTY

WARRANTY TERMS AND CONDITIONS

Schumacher Electric Corporation (the "Manufacturer") or the resellers authorized by the Manufacturer (the "Reseller") warrant this charger (the "Product") for two (2) years, according to the following stipulations. Any and all warranties, other than the warranty included herein, are hereby expressly disclaimed and excluded to the fullest extent permissible under applicable law. Legislation may imply warranties or conditions or impose obligations on Manufacturer which cannot be excluded, restricted or modified in relation to consumer goods.

Consumer End-User Warranty

Any claims under this warranty must be communicated to Reseller within 2 months after discovery of the non-conformity.

Resellers/Professional End-User Warranty

The Manufacturer provides a limited warranty for hidden defects or non-conformities. This warranty is subject to the following conditions:

- **a.** The Manufacturer only warrants hidden defects in material or workmanship present in their root cause at the moment of the first sale by the Manufacturer;
- **b.** Manufacturer's obligation under this warranty is limited to repairing or replacing the Product with a new or reconditioned unit at the sole option of the Manufacturer;
- **c.** Manufacturer does not have any warranty obligations if the alleged defects were caused by abnormal usage, fair wear and tear, unauthorized use of the Product or use of the Product differing from the description in the applicable manual or other specifications given by the Manufacturer, insufficient care, repairs carried out by persons or entities or with parts not approved by Manufacturer, poor care, accidents, unauthorized changes or modifications, incorrect transport, storage or treatment of the Product;
- **d.** In order to exercise this right, the Product must be returned complete and in its original state and packaging, with mail costs prepaid, along with proof of purchase to the Manufacturer or its authorized representatives in order for repair or replacement to occur.

Common Warranty Provisions

The warranty mentioned above only applies to the first professional or consumer user having legally acquired the Product from the Manufacturer or a Reseller. No warranty is extended towards clients, agents or representatives of those buyers.

The Product is sold under the specifications, for the use and purpose in accordance with the provisions of this manual, with express exclusion and disclaimer of warranty of any other specifications, uses and purposes.

Authorized Resellers are prohibited from making any statements or providing any warranty in excess of the above warranties Non-authorized resellers may only sell the product under the condition that they assume all warranty obligations with the total exclusion of any warranty provided by the Manufacturer.

Manufacturer does not provide any warranty for any accessories used with the Product that are not manufactured by Schumacher Electric Corporation.

This warranty does not exclude or diminish any claims the Manufacturer may have against the distributors of The Product.

THE MANUFACTURER NEITHER ASSUMES NOR AUTHORIZES ANYONE TO ASSUME OR MAKE ANY OTHER OBLIGATION TOWARDS THE PRODUCT OTHER THAN THIS WARRANTY.

Warranty, Repair Service and Distribution Centers:

Australia/New Zealand:
Schumacher Asia Pacific Pty. Ltd.
A.B.N. 43613943525
Unit 53B – 28 Burnside Road, Ormeau
Queensland, Australia, 4208
07 3807 6510

DECLARATION OF CONFORMITY

We, Schumacher Electric Corporation
801 East Business Center Drive
Mount Prospect, Illinois, 60056, U.S.A.

certify that the **Battery Charger/Maintainer Model DSR15** complies with the following standards:

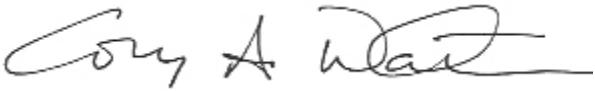
Low Voltage Directive (LVD) 2014/35/EU
EN 60335-1:2012+A11:2014+A12:2017
EN 60335-2-29:2004+A2:2010
EN 62233:2008

EMC Directive 2014/30/EU
EN 55014-1:2006+A1:2009+A2:2011
EN 55014-2:2015
EN 61000-3-2:2014
EN 61000-3-3:2013

and therefore conforms with the protection requirements relating to safety and electromagnetic compatibility.

The year in which the CE marking was affixed is “2018”.

Manufacturer:

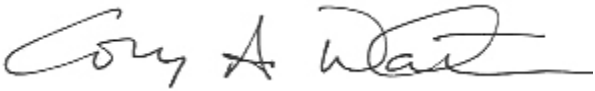


Cory Watkins
President
July 1, 2018

Hereby declares that the equipment **Model DSR15** is compliant to the DIRECTIVE 2002/95/EC (RoHS Directive), as well as DIRECTIVE 2011/65/EU (RoHS Recast), on the restriction of the use of certain hazardous substances in electrical and electronic equipment while:

The parts do not exceed the maximum concentrations of 0.1% by weight in homogenous materials for lead, mercury, hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE), and 0.01% for cadmium, as required in Commission Decision 2005/618/EC of 18 August 2005.

July 1, 2018



President, Schumacher Electric Corporation – U.S.A.

APPROVALS®

Certificate of Approval

Certificate No.: **SAA132475EA**

Certificate Holder:	Schumacher Asia Pacific Pty Ltd 53B/28 Burnside Road Ormeau QLD 4208 Australia
Class Description:	Power Supply or Charger
Product Description:	Battery Charger for Lead Acid Batteries
Brand Name:	Schumacher
Model No.:	SCI 15
Markings:	Input: 230-240V~ 50Hz 2.3A Output: 6/12Vdc 2/10/15A Class II with Functional Earth
Standard:	AS/NZS 60335.2.29:2017 AS/NZS 60335.1:2011 Inc A1-4
Conditions:	Nil
Approval Mark:	SAA132475EA or RCM
Date First Registered:	2 December 2013
Date of Expiry:	2 December 2023

For and on Behalf of
SAA Approvals Pty Ltd

SAA Approvals Pty Ltd as accredited by JAS-ANZ under ISO/IEC 17065 certifies in accordance with the SAA Approvals Electrical Product Safety Certification Scheme that the product nominated in this certificate complies with standard/s listed.

When using the RCM the requirements of all relevant parts of AS/NZS 4417 applicable to the article must be fulfilled.

For SAA Contact Details and to verify this Certificate go to:
www.saaapprovals.com.au

JAS-ANZ
www.jas-anz.org/register

SAA Approvals CERTIFIED

Issued: 30-10-18 132475/1b
Renewed,updated

APPROVALS®

Certificate of Approval

Addendum

Certificate No.: **SAA132475EA**

Date of Issue: **26 April 2018**

Class Description: Power Supply or Charger
Product Description: Battery Charger for Lead Acid Batteries

General Modification:
Use of alternative trade name DSR.

Additional Models	Description
DSR 15	Similar to SCI 15 except for model number.

For and on Behalf of
SAA Approvals Pty Ltd

SAA Approvals Pty Ltd as accredited by JAS-ANZ under ISO/IEC 17065 certifies in accordance with the SAA Approvals Electrical Product Safety Certification Scheme that the product nominated in this certificate complies with standard/s listed.

When using the RCM the requirements of all relevant parts of AS/NZS 4417 applicable to the article must be fulfilled.

For SAA Contact Details and to verify this Certificate go to:
www.saaapprovals.com.au

JAS-ANZ
www.jas-anz.org/register

SAA Approvals CERTIFIED

Issued: 26-04-18 132475/4