



POWERED BY SCHUMACHER

PRO SERIES™

MODELS

DSR5221, DSR5222 Professional Battery Boosters

OWNERS MANUAL



DSR5221



DSR5222

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



0099001919-02

IMPORTANT: READ AND SAVE THIS SAFETY AND INSTRUCTION MANUAL.

SAVE THESE INSTRUCTIONS – Charge the booster's internal battery immediately after purchase, after every use and every 30 days. It is highly recommended to leave the booster on permanent charge when not in use. This manual will show you how to use your booster safely and effectively. Please read, understand and follow these instructions and precautions carefully, as this manual contains important safety and operating instructions.

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.

⚠ CAUTION

Indicates a potentially hazardous situation which, if not avoided, could result in moderate or minor injury to the operator or bystanders.

IMPORTANT

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



DS BOOSTERS CONTAIN SEALED, NON-SPILLABLE LEAD-ACID BATTERY. MUST BE DISPOSED OF PROPERLY.

WARNING: Possible explosion hazard. Contact with battery acid may cause severe burns and blindness. Keep out of reach of children.

Markings and symbols



Contact the equipment supplier for details on how to properly dispose of this product within a specific country, per WEEE requirements.



Read manual before using.



Do not expose to rain.



Caution, risk of electric shock.



Fuse – see Section 8 for fuse replacement instructions.



For indoor use only.



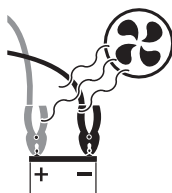
Class II Charger



Warning



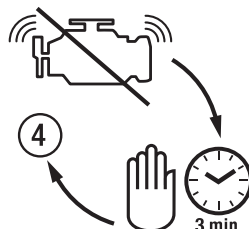
12V 2A
Charging
Port – see
section 6.7.1



Use in a
well-ventilated
area.



Keep away from
sparks and flame – battery
could emit explosive gases.



If auto engine does not start,
stop and wait for at least
3 minutes, then go back
to step 4 – see Section 7.1.4.

1. IMPORTANT SAFETY INSTRUCTIONS – SAVE THESE INSTRUCTIONS.

This manual contains important safety and operating instructions.

⚠ WARNING



⚠ 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 Keep out of reach of children.

1.3 This booster 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 the use of the booster by a person responsible for their safety.

1.4 Do not put fingers or hands into the product.

1.5 Do not expose the booster to rain or snow.

1.6 Use only recommended attachments. Use of an attachment not recommended or sold by the manufacturer may result in a risk of fire, electric shock or injury to persons or damage to property.

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

1.8 To reduce the risk of electric shock, unplug the booster charger from the outlet before attempting any maintenance or cleaning. Simply turning off the controls will not reduce this risk.

1.9 Do not operate the booster or charger with a damaged output cable; have the damaged part replaced immediately by a qualified service person.

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

1.11 Do not disassemble the booster or 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. PREVENT FLAMES AND SPARKS. PROVIDE ADEQUATE VENTILATION DURING CHARGING.

1.12 WORKING IN THE VICINITY OF A LEAD-ACID BATTERY IS DANGEROUS. BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL OPERATION. FOR THIS REASON, IT IS IMPORTANT THAT YOU FOLLOW THESE INSTRUCTIONS EACH TIME YOU USE THE BOOSTER.

1.13 The booster and lead-acid battery of the vehicle must be placed in a well-ventilated area.

1.14 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.

1.15 This booster employs parts, such as switches and circuit breakers, that tend to produce arcs and sparks. If used in a garage, locate this booster 46 cm or more above floor level.

⚠ WARNING

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

2. PERSONAL PRECAUTIONS

⚠ WARNING



⚠ WARNING



⚠ WARNING



RISK OF EXPLOSIVE GASES. A SPARK NEAR THE BATTERY MAY CAUSE A BATTERY EXPLOSION. TO REDUCE THE RISK OF A SPARK NEAR THE BATTERY:

2.1 NEVER smoke or allow a spark or flame in the vicinity of a battery or engine.

2.2 Do not permit the internal battery of the booster to freeze. Never charge a frozen battery.

2.3 When charging the internal battery, work in a well ventilated area and do not restrict the ventilation in any way.

2.4 Be sure the area around the battery is well ventilated while the booster is being used.

2.5 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.

2.6 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.

2.7 To prevent sparking, NEVER allow clamps to touch together or contact the same piece of metal.

2.8 Consider having someone close enough by to come to your aid when you work near a lead-acid battery.

2.9 Have plenty of fresh water and soap nearby in case battery acid contacts your skin, clothing or eyes.

- 2.10 Wear complete eye and body protection, including safety goggles and protective clothing. Avoid touching your eyes while working near the battery.
- 2.11 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.
- 2.12 If battery acid is accidentally swallowed, drink milk, the whites of eggs or water. DO NOT induce vomiting. Seek medical attention immediately.
- 2.13 This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- 2.14 Children shall not play with the appliance.

3. PREPARING TO USE THE BOOSTER

⚠ WARNING



⚠ WARNING



⚠ WARNING



RISK OF CONTACT WITH BATTERY ACID.

BATTERY ACID IS A HIGHLY CORROSIVE SULFURIC ACID.

3.1 Clean the battery terminals before using the booster. 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.

- 3.2 Read, understand and follow all instructions for the booster, battery, vehicle and any equipment used near the battery and the booster.
- 3.3 Determine the voltage of the battery by referring to the vehicle owner's manual and make sure that the output voltage of the booster is correct.
- 3.4 Make sure that the booster cable clamps make tight connections.

4. FOLLOW THESE STEPS WHEN CONNECTING THE BOOSTER TO A BATTERY

⚠ WARNING



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

4.1 Attach the output cables to the battery and chassis, as indicated below. Never allow the output clamps to touch each other.

4.2 Position the 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 jump starting process, ensure that the hood does not touch the metal part of the battery clamps or cut the insulation of the cables.

- 4.3 Stay clear of fan blades, belts, pulleys and other parts that can cause injury.
- 4.4 Determine which post of the battery is grounded (connected) to the chassis. If the negative post is grounded to the chassis (as in most vehicles), see step 4.5. If the positive post is grounded to the chassis, see step 4.6.
- 4.5 For a negative-grounded vehicle, connect the POSITIVE (RED) clamp from the booster to the POSITIVE (POS, P, +) ungrounded post of the battery. Connect the NEGATIVE (BLACK) clamp to the vehicle chassis or engine block away from the battery. Do not connect the clamp to the carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gauge metal part of the frame or engine block.
- 4.6 For a positive-grounded vehicle, connect the NEGATIVE (BLACK) clamp from the booster to the NEGATIVE (NEG, N, -) ungrounded post of the battery. Connect the POSITIVE (RED) clamp to the vehicle chassis or engine block away from the battery. Do not connect the clamp to the carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gauge metal part of the frame or engine block.
- 4.7 When disconnecting the booster, remove the clamp from the vehicle chassis, then remove the clamp from the battery terminal, in that order.

5. FEATURES



- | | |
|--|------------------------------|
| 1. 12V DC power outlet | 6. USB Port |
| 2. Jump starter ON/OFF switch –
DSR5221: OFF or 12V position
DSR5222: OFF, 12V or 24V position | 7. Heavy-duty battery clamps |
| 3. Digital display | 8. Charger |
| 4. Display button | 9. Power LED |
| 5. USB button | 10. Charging status LED |
| | 11. Bad Battery LED |

6. CHARGING THE INTERNAL BATTERY OF THE BOOSTER

IMPORTANT: CHARGE IMMEDIATELY AFTER PURCHASE, AFTER EACH USE AND AS OFTEN AS POSSIBLE. THE BOOSTER CAN BE LEFT PERMANENTLY CONNECTED TO THE AUTOMATIC CHARGER. NEVER WAIT UNTIL THE BOOSTER IS COMPLETELY DISCHARGED BEFORE RECHARGING.

6.1 Digital Display on the Booster

When not connected to a vehicle battery and when the booster clamps are stored on their plastic storage holders:

A – With the rotary switch in the OFF position: the digital display can be used to indicate the percent of charge of the voltage of the booster's internal battery.

To check the internal battery's charge status, press the display button on the front of the booster. The digital display will show the battery's percent (%) of charge. A fully charged battery will read 100%. Charge the internal battery if the display shows it is under 100%.

B – With the rotary switch in the ON position: Select the voltage 12V (or 24V), the digital display can be used to check the voltage level of the booster's internal battery. The display will indicate the battery's voltage.

NOTE: The internal battery's percent of charge or Voltage level is most accurate when the booster has been disconnected from all devices and charging sources for a few hours.

6.2 LED Indicators on the Charger



POWER (green) LED lit: The charger is connected to AC power.



CHARGING (yellow/orange) LED pulsing slowly: The charger is charging the battery inside the booster or is in maintaining mode.



CHARGING (yellow/orange) LED flashing rapidly: The charger has detected a problem with the battery. See *Troubleshooting* section for more information.



BAD BATTERY (red) LED lit: The charger has detected a problem with the battery. See *Troubleshooting* section for more information.

6.3 Charging the Booster's Internal Battery using the Included Charger

IMPORTANT

Only use the charger that was included with the booster to charge the internal battery of the booster. Using any other charger or using the included charger for any other purpose could result in personal injury or property damage.

⚠ WARNING



⚠ WARNING



RISK OF ELECTRIC SHOCK OR FIRE.

6.4 This battery charger is for use on a nominal 230V, 50 Hz circuit. The plug must be plugged into an outlet that is properly installed in accordance with all local codes and ordinances. The plug pins must fit the receptacle (outlet).

⚠ DANGER

- 6.5** Never alter the AC cord or plug provided – if it does not fit the outlet, have a proper outlet installed by a qualified electrician. An improper connection can result in a risk of an electric shock or electrocution.
- 6.6** 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:
- That the pins on the plug of the extension cord are the same number, size and shape as those of the plug on the charger.
 - That the extension cord is properly wired and in good electrical condition.
 - That the wire size is large enough for the AC ampere rating of the charger.

Recommended minimum AWG size for extension cord:

- 30.5 meters long or less – use a 1.0 mm² extension cord.
- Over 30.5 meters long – use a 1.25 mm² extension cord.

6.7 Charging

1. Make sure that both the charger and booster are placed on a dry, nonflammable surface. To charge the booster, connect the charger included into the charging port that is located on the side of the booster.
2. Confirm the AC outlet voltage matches the input voltage of the charger.
3. Connect the charger into the electrical wall outlet and confirm that the green  POWER LED on the charger turns on.
4. Check that the yellow  CHARGING LED in charger starts pulsing slowly to indicate that charge process has started. To know status of the charge, check the percentage shown at the display in booster.
5. When the display in booster shows 100 (%), the internal battery is fully charged and the booster is ready to use. Complete charging may take up to 24 hours.

NOTE: The yellow  CHARGING LED on the charge will remain flashing after display shows 100%, because charger enters automatically into maintaining mode.

6. After charge is complete, disconnect the charger from the AC outlet, then disconnect the charger from booster.

7. OPERATING INSTRUCTIONS

7.1 Jump Starting a Vehicle Engine

⚠ WARNING



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

1. Turn the vehicle's ignition OFF before making cable connections.
2. Connect the booster to the vehicle's battery as described in section 4. If you have connected the clamps backward, an audio alarm will sound. **DO NOT** turn the booster ON/OFF switch to the ON position. This could cause serious damage to the booster or the vehicle. Reverse the connections and the audio alarm will stop.

3. Turn the booster ON/OFF switch to the ON position.
4. Crank the engine. If the engine does not start within 8 seconds, stop cranking and wait at least 3 minutes before attempting to start the vehicle again. This permits the booster battery to cool down.
5. After the engine starts, immediately turn the booster ON/OFF switch to the OFF position.
6. Disconnect the booster from the vehicle, as described in section 4.6.
7. Return the battery clamps to the clamp holders. Recharge the booster as soon as possible after use.

7.2 When using the other features of the booster, always observe the following steps:

1. Ensure the battery clamps are securely clipped in the storage holders.
2. Charge the booster as soon as possible after using the feature.

7.3 Powering a 12V DC Device:

The booster is a power source for all 12V DC accessories that are equipped with a 12V accessory plug.

1. Make sure the device to be powered is OFF before inserting the 12V DC accessory plug into the 12V DC accessory outlet.
2. Open the protective cover of the DC power outlet on the front of the booster.
3. Plug the device into the outlet and turn the device on (if required).
4. If the device draws more than 15A or has a short circuit, the circuit breaker of the booster will trip and disconnect the power to the device. Disconnect the device and the breaker will automatically reset. The DC power outlet is wired directly to the internal battery. Extended operation of a 12V device may result in excessive battery drain. Recharge immediately after unplugging the device.

7.4 Powering a USB Device:

The booster is a power source for all accessories that are equipped with a USB plug. The USB port provides up to 2.1A at 5V DC.

1. Ensure the battery clips are securely clipped on the storage holders.
2. Press the USB button on the front of the unit.
3. Plug the device into the USB port on the front of the unit.
4. Turn the USB device on.
5. Reverse these steps when finished using the USB port.

NOTES: The USB port will shut-off automatically after 60 minutes, if no device is connected.

Extended operation of a USB device may result in excessive battery drain. Recharge the booster immediately after unplugging the device.

8. FUSE REPLACEMENT

The Portable Power is equipped with an inline fuse, to protect the battery from overload.

Fuse Specification

Model DSR5221: Fast blow, DC automotive type, rated 32 V, 300 A (Bussman/Audio Ohm Srl).

Model DSR5222: Fast blow, DC automotive type, rated 32 V, 500 A (Bussman/Audio Ohm Srl).

WARNING

Keep away from sparks and flame – battery could emit explosive gases.



1. Allow the fuse to cool down completely (approximately 5 minutes).
2. Make sure the switch is in the OFF position and the unit is unplugged from the external charger.
3. Remove the positive (RED) clamp from the storage compartment on the side of the unit and locate the fuse holder.
4. Open the fuse holder by removing its cover.
5. Using a wrench, remove the first nut and bolt securing the fuse on the positive cable. Repeat the same steps for the second nut and bolt. Remove the open fuse and replace it with a new one of the same type and rating.
6. Tighten the nuts and bolts to secure the fuse, and then replace the cover of the fuse holder.
7. The unit is now ready to use.

9. MAINTENANCE INSTRUCTIONS

- 9.1 Cleaning and user maintenance should not be done by children without supervision.
- 9.2 Unplug the charger from the booster and the mains power before attempting any maintenance or cleaning.
- 9.3 Use a dry cloth to wipe all battery corrosion and other dirt or oil from the charger, battery clamps, cords and the booster case. Do not use cleaning fluids.
- 9.4 Ensure that all of the components are in place and in good working condition.
- 9.5 All other servicing should be performed by qualified service personnel.
- 9.6 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.

10. MOVING AND STORAGE INSTRUCTIONS

- 10.1 Store the booster and charger in an upright position, inside, in a cool, dry place.
- 10.2 Always make sure the booster is fully charged before storing. When not in use, it is highly recommended to leave the booster on charge.

IMPORTANT Do not use and/or store the booster in or on any area or surface where damage could occur if the internal battery should unexpectedly leak acid.

11. TROUBLESHOOTING

Booster

PROBLEM	POSSIBLE CAUSE	REASON/SOLUTION
The booster won't jump start my car.	Clamps are not making a good connection to the battery.	Check for poor connection to battery and frame. Make sure connection points are clean. Rock clamps back and forth for a better connection.
	The booster battery is not charged.	Check the battery charge status by pressing the button on the front of the booster. See <i>LED Indicators</i> section of this manual.
	The vehicle's battery is defective.	Have the battery checked.
	The fuse has blown.	Replace the fuse. (See Section 8).
The booster won't power my 12V device.	The 12V device is not turned on.	Turn on the 12V device.
	The booster battery is not charged.	Check the battery charge status by pressing the button on the front of the booster. See <i>LED Indicators</i> section of this manual.
	The 12V device draws more than 15A or has a short circuit.	Disconnect the 12V device. The internal breaker will automatically reset after a minute or two. Try the 12V device again. If it happens again, replace the 12V device.
The battery in the booster won't hold a charge.	The battery is bad (will not accept a charge).	Have the battery checked.

Charger

PROBLEM	POSSIBLE CAUSE	REASON/SOLUTION
The green  POWER LED does not light when charger is properly connected.	AC outlet is dead.	Check for open fuse or circuit breaker at the supplying AC outlet.
	Poor electrical connection.	Check power cord and extension cord for a loose fitting plug.
The red  BAD BATTERY LED is lit and yellow/orange CHARGING LED is flashing rapidly.	Desulfation was unsuccessful.	The battery may be defective. Make sure there are no loads on the battery. If there are, remove them. If there are none, have the battery checked or replaced.

12. SPECIFICATIONS

Boosters

DSR5221

Internal Battery Type	Maintenance-free AGM lead-acid
Output Voltage	12V DC
Rated Capacity	22 Ah
DC Power Outlet (Max. Continuous Load)	12V DC/15A
Product Weight	10.82 kg

DSR5222

Internal Battery Type	Maintenance-free AGM lead-acid
Output Voltage	12V DC or 24V DC
Rated Capacity	(2x) 22 Ah
DC Power Outlet (Max. Continuous Load)	12V DC/15A
Product Weight	17.74 kg

Charger

Input	230V AC~50Hz, 0.5A
Output	12V  2A

13. REPLACEMENT PARTS

Charger	2299003058IZ
Fuse – 300A (for model DSR5221)	3999002113
Fuse – 500A (for model DSR5222)	3999002114

14. DISPOSAL INFORMATION

14.1 Internal battery

- The battery must be removed from the appliance before it is scrapped.
- The appliance must be disconnected from the supply mains before removing the battery.
- The battery must be disposed of safely.

14.2 WEEE Directive



This marking indicates that 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 environmentally-safe recycling.

15. LIMITED WARRANTY

WARRANTY TERMS AND CONDITIONS

Schumacher Electric Corporation (the "Manufacturer") or the resellers authorized by the Manufacturer (the "Reseller") warrant this Jump Starter (the "Product") for one (1) year and the internal battery for ninety (90) days, 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
29-51 Wayne Goss Drive
Berriinba QLD, 4117**



Certificate of Approval

Certificate No.: SAA-182170-EA

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
Brand Name: Schumacher
Model No.: SPI3
Markings: Input: 230Vac 50Hz 0.6A
Output: 12Vdc 3.0A
IP64, Class II

Standard: AS/NZS 60335.2.29:2017
AS/NZS 60335.1:2011 Inc A1-4
Conditions: Nil

Approval Mark: SAA-182170-EA or RCM

Date First Registered: 10 August 2018
Date of Expiry: 10 August 2023

For and on Behalf of
SAA Approvals Pty Ltd

SAA Approvals Pty Ltd is 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



Issued: 14-08-18 182170/1a
Model Number corrected



APPROVALS®

Certificate of Approval

Addendum

Certificate No.: SAA-182170-EA

Date of Issue: 10 August 2018

Class Description: Power Supply or Charger
Product Description: Battery Charger

Additional Models

SPI2IS

Description

Similar to SPI3 except for aesthetics, 12V Lead-Acid battery in lieu of 12V Lead-Acid and Li-ion Battery, trade name DSR and rated:
Input: 230Vac 50Hz 0.5A
Output: 12Vdc 2.0A

SPI2

Similar to SPI3 except for aesthetics, 6/12V Lead-Acid battery in lieu of 12V Lead-Acid and Li-ion Battery and rated:
Input: 230Vac 50Hz 0.5A
Output: 6/12Vdc 2.0A


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



Issued: 14-08-18 182170/2a
Model Descriptions amended