

Battery Pack Charger

Product Instructions

Model

3747, battery pack charger 18-36V

Part number

6158132700



Download the latest version of this document at
http://www.desouttertools.com/info/6159925330_EN



⚠ WARNING

Read all safety warnings and instructions

Failure to follow the safety warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference

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Product Information

General Information

⚠️ WARNING Risk of Property Damage or Severe Injury

Ensure that you read, understand and follow all instructions before operating the tool. Failure to follow all the instructions may result in electric shock, fire, property damage and/or severe bodily injury.

- ▶ Read all Safety Information delivered together with the different parts of the system.
- ▶ Read all Product Instructions for installation, operation and maintenance of the different parts of the system.
- ▶ Read all locally legislated safety regulations regarding the system and parts thereof.
- ▶ Save all Safety Information and instructions for future reference.

Warranty

- Product warranty will expire 12 months after the product is first taken into use, but will in any case expire at the latest 13 months after delivery.
- Normal wear and tear on parts is not included within the warranty.
 - Normal wear and tear is that which requires a part change or other adjustment/overhaul during standard tools maintenance typical for that period (expressed in time, operation hours or otherwise).
- The product warranty relies on the correct use, maintenance, and repair of the tool and its component parts.
- Damage to parts that occurs as a result of inadequate maintenance or performed by parties other than Desoutter or their Certified Service Partners during the warranty period is not covered by the warranty.
- To avoid damage or destruction of tool parts, service the tool according to the recommended maintenance schedules and follow the correct instructions.
- Warranty repairs are only performed in Desoutter workshops or by Certified Service Partners.

Desoutter offers extended warranty and state of the art preventive maintenance through its Tool Care contracts. For further information contact your local Service representative.

For electrical motors:

- Warranty will only apply when the electric motor has not been opened.

Website

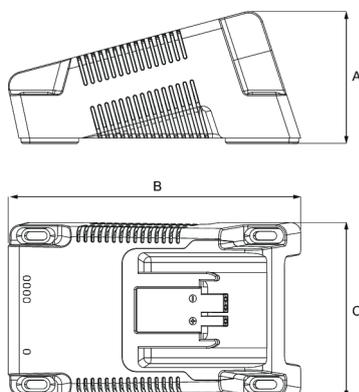
Information concerning our Products, Accessories, Spare Parts and Published Matters can be found on the Desoutter website.

Please visit: www.desouttertools.com.

Information about spare parts

Exploded views and spare parts lists are available in Service Link at www.desouttertools.com.

Dimensions



	mm	in.
A	90	3.54

	mm	in.
B	199	7.83
C	120	4.72

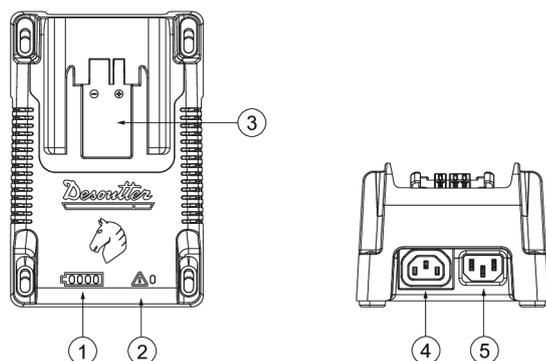
CAD files

For information about the dimensions of a product, see the Dimensional drawings archive:

<https://www.desouttertools.com/resource-centre>

Overview

Description



1	Battery charge level
2	Warning LED
3	Connector
4	Daisy-chain output
4	Power supply plug

Technical data

Power supply

Input voltage	100-240 V AC
Frequency	50 / 60 Hz
Maximum input current	single: 2 A daisy-chain: 6.3 A
Output voltage	0-42 V DC
Output current	2 A
Maximum number of chargers connected in daisy-chain	10 @ $V_{IN} = 230$ V AC 5 @ $V_{IN} = 115$ V AC

Weight

0.665 kg
1.47 lb

Storage and use conditions

Storage temperature	-20 to +70 °C (-4 to +158 F)
Operating temperature	0 to 45 °C (32 to 113 F)
Storage humidity	0-95 % RH (non-condensing)
Operating humidity	0-90 % RH (non-condensing)
Altitude up to	2000 m (6562 feet)
Usable in Pollution degree 2 environment	

Indoor use only

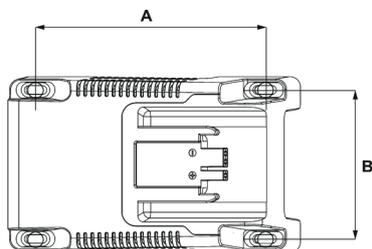
Installation

Installation Instructions

Mounting instructions

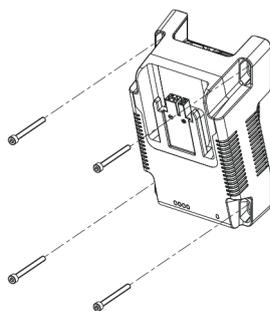
Installing the charger on a wall

Use the following drilling template.



	mm	in.
A	156	6.14
B	102	4.02

Mount the battery pack charger as follows.



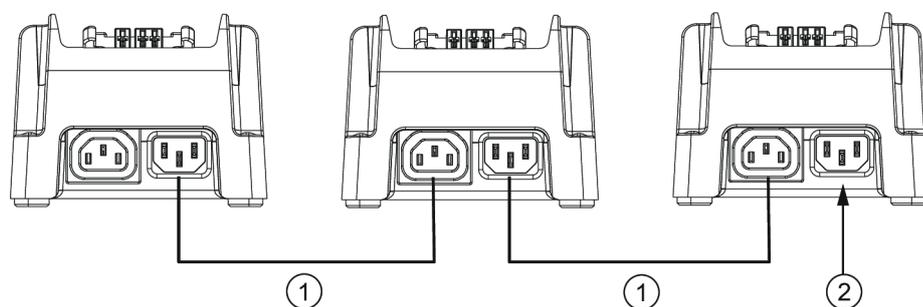
i Use M5 screws (not supplied).

Daisy-chain connection

Daisy-chain connection

Refer to the chapter *Technical data* [Page 4] to know how many chargers can be daisy-chained.

For example:



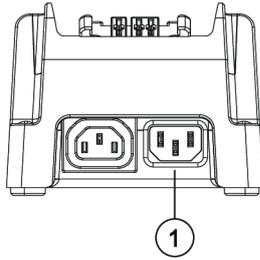
1. Daisy-chain the chargers as shown above.
Use the optional dedicated cable (length: 30 cm (11.81 in.) ; part number: 6158133830).
2. Plug the last charger to the mains.

Powering on

Use the following power cords to power supply the battery pack charger.

Area	Length	Part number
Europe	2.5 m	6159172010
	8.2 ft	
USA	2.5 m	6159172030
	8.2 ft	
UK	2.5 m	6159172020
	8.2 ft	
China	2.5 m	6159172060
	8.2 ft	

i Use only the power cord supplied.



1 Plug for power cord

Connect the power cord to the charger and plug it to the mains.

The 4 white LEDs light up and then go out.

The warning LED lights up in red, turns orange and then goes out.

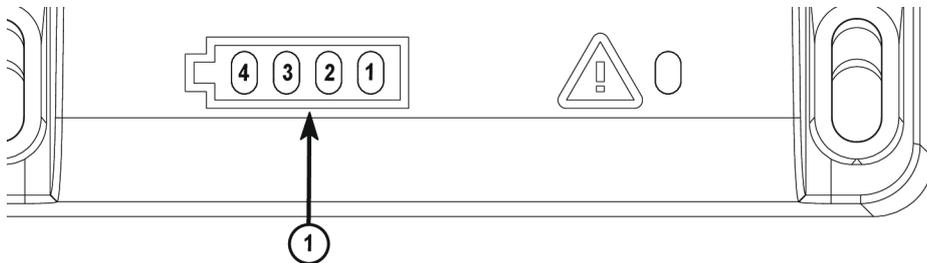
Operation

Operating Instructions

How to charge a battery pack

i The charger detects automatically the type of battery pack and adapts the charge conditions to the battery pack.

Slide a battery pack on the connector.



1 Battery pack charge level

	Description	Charge level
	LED 1 starts blinking.	0-24 %
	LED 2 starts blinking. LED 1 is steady.	25-49 %
	LED 3 starts blinking. LED 1 and 2 are steady.	50-74 %
	LED 4 starts blinking. LED 1, 2 and 3 are steady.	75-100 %

i When there is no battery pack on the charger, LED 4 blinks every 5 seconds.

Special precautions for charging batteries

⚠ WARNING Risk of injury

Only charge Li-ion type rechargeable battery pack.

- ▶ Other types of batteries may burst.

Charging time

The charging time is between 70 and 80 minutes at 25°C.

Service

Maintenance Instructions

Maintenance instructions

1. Disconnect the charger from any AC outlet before cleaning.
2. Clean out dust and debris from charger vents and electrical contacts. Use a damp cloth.
3. Do not use liquid or spray detergent for cleaning.

Do not modify or attempt to repair the charger.

For safety reasons, the charger should be serviced only by the manufacturer or authorized service providers.

If one of the following situations arises, get the charger checked by the manufacturer or authorized service providers.

- a. The power cord or plug is damaged.
- b. Liquid has penetrated into the charger.
- c. The charger has been exposed to moisture.
- d. The charger does not work well, or you cannot get it to work according to the user's manual.
- e. The charger has been dropped and damaged.
- f. The charger has obvious signs of breakage.

Maintenance program

Please consult us on the **Tool Care** program that includes production support and maintenance solutions.

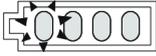
Trouble-shooting



	Description	Solution
1 blink every 5 seconds.	There is no battery pack plugged on the connector. The battery pack is not plugged in correctly.	Plug a battery pack. Remove the battery pack and plug it again.



	Description	Solution
Yellow - 1 blink	Temperature is below operating range for charging.	Operate within the operating temperature of charge for the charger and the battery pack.
Yellow - 2 blinks	Temperature is above operating range for charging.	Let the battery pack cool down to bring it back to operating temperature and the error will stop.
Red - 1 blink	Battery pack is overcharged, voltage is higher than accepted range for charging. Charging will not start.	Leave the battery pack to rest for a certain period of time (around 5 days). Try again with another charger. If the error still occurs, the battery pack must be disposed of.
Red - 2 blinks	Charger cannot retrieve information from battery pack temperature. Charging will not start.	Try again with another charger. If the error still occurs, the battery pack must be disposed of.
Red - 3 blinks	Over-current detected. Charging will not start.	Disconnect the battery pack from the charger and reconnect after 5 minutes. If the same error occurs, try the battery pack with another charger. A charger that has this error with different battery packs must be disposed of for safety reasons.
Red - 4 blinks	Time for pre-charge is too long. Charging is stopped.	Battery pack may have been deeply discharged. Try to charge the battery pack one more time to resume normal charge. If the error still occurs it means that the battery pack chemistry is not working properly anymore and so it should be disposed of for safety reasons.
Red - 5 blinks	Time to charge is too long, Charging is stopped.	Check plugging of the battery pack on the charger. Poor connection between charger and battery pack terminals may slow down the charge.
Red - 7 blinks	Cells imbalance is out of range. Charging will not start.	It is generally due to natural cells aging or is the consequence of repetitive strong discharge. Try again with another charger. If the error still occurs, the battery pack must be disposed of.
Red - 8 blinks	Charger cannot communicate with battery pack or the battery pack is not recognized as compatible.	Check the compatibility of the battery pack with charger and try again with another charger. If compatible then it means that the electronic has been damaged and then for safety reasons the battery pack must be disposed of.

	Description	Solution
 Red - 6 blinks	Battery pack is strongly discharged and cannot be charged anymore for safety reasons.	Try again with another charger. If the error still occurs, the battery pack must be disposed of.
 1 blink every 5 seconds.	i For charger rev1, it can also be a communication issue or compatibility issue (red 8 blinks)	

Original instructions

Founded in 1914 and headquartered in France, Desoutter Industrial Tools is a global leader in electric and pneumatic assembly tools serving a wide range of assembly and manufacturing operations, including Aerospace, Automotive, Light and Heavy Vehicles, Off-Road, General Industry.

Desoutter offers a comprehensive range of Solutions -tools, service and projects- to meet the specific demands of local and global customers in over 170 countries.

The company designs, develops and delivers innovative quality industrial tool solutions, including Air and Electric Screwdrivers, Advanced Assembly Tools, Advanced Drilling Units, Air Motors and Torque Measurement Systems.

Find more on www.desouttertools.com



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