



O-649-40 12/24VDC Jump Starter Pack

DURITE's innovative 12/24v 42,000mAh Li-Ion Jump pack. Super light and compact with capability to jump start all petrol vehicles and diesel vehicles with up to 16.0L engine capacity. For both 12v and 24v application this product outputs 600A Starting Current and 1500A Peak Current. 2 x USB output and 1 x 12V 10A Cigarette Socket output. 3W built in LED Work light. LCD display showing state of charge. CE approved.
















WARNINGS!

Before using this unit please read these instructions carefully

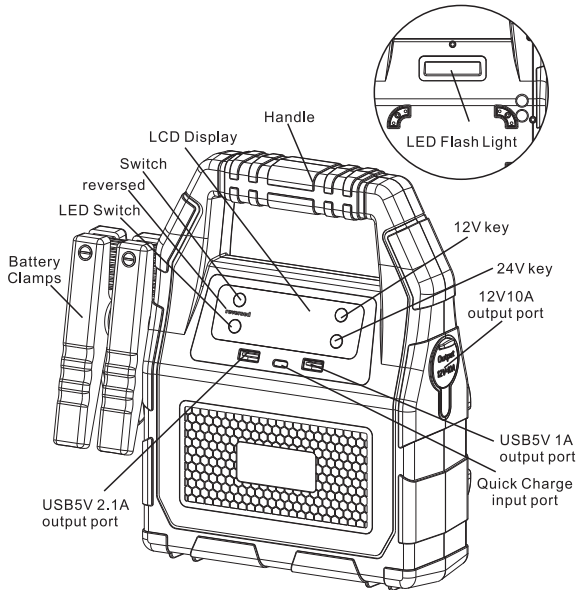
Take special care to follow the warnings and safety suggestions listed throughout this manual.

Keep these instructions for future reference.

-  Always take care the appliance while using it.
-  Do not use by any child or infant
-  Do not use as a toy
-  Do not allow the appliance to become wet
-  Do not immerse the appliance in water
-  Do not operate the appliance in explosive atmospheres, such as in the presence of flammable liquids, gases or dust
-  Do not modify or disassemble the appliance Only a repair technician may repair this unit
-  Do not expose the appliance to heat
-  Do not storage it in locations where the temperature may exceed 70 °C
-  Only Charge it at ambient temperatures between 0 °C and 40 °C
-  Only Charge it with the charger provided with the appliance.
-  Under extreme conditions, battery leakage may occur. Carefully wipe the liquid off with cloth , and Please avoid skin contact when you notice liquid on the battery. In case of skin or eye contact, rinse immediately with clean water and seek medical attention
-  At the end of its useful life, discard the appliance with due care for our Environment

1. Check before using the product that there is at least 60% charge state. If there is not do not attempt to start the vehicle until the unit is fully charged.
2. Do NOT crank the engine for more than 3 seconds using the product.
3. Please wait at least 2 minutes before trying to crank the engine again if it does not start.
4. Make sure the voltage is selected before connecting to a vehicle battery.
5. Do not connect the RED Clamp to the earth terminal on battery and vice versa as this will lead to short circuit. It could damage the product and further be dangerous to the user.
6. Remove the jump starter immediately on starting the vehicle.
7. Always check that the jumper clamps are connected correctly. Check the vehicle battery terminals to ensure they are not rusty/dirty. If so clean before attempting to connect and jump the vehicle.
8. If the vehicle does not start on the third attempt please do not try again as this will damage the unit and will void the warranty.
9. If the unit enters its 'protected state' please press and hold the 'power' button to reset the unit.
10. This unit has no serviceable parts inside. Please do not try to open/disassemble the unit as this could be dangerous and will void the warranty.
11. **MUST NOT BE USED TO JUMP START ANY VEHICLE WITH A LITHIUM ION BATTERY INSTALLED - RISK OF DAMAGE OR INJURY!**
12. Do not use the unit if it has been dropped or damaged.
13. Do not charge for more than 10 hours. Remove from charge once LCD screen is no longer illuminated.
14. Jump for 12V/24V vehicles only. It is forbidden to use for other machines such as aircraftship and so on.
15. DO NOT use this unit if any cable clamp or cord is damaged.
16. DO NOT use in place of a vehicle battery.
17. DO NOT use as a battery charger.
18. Do NOT operate the product in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.
19. Do NOT expose product to extreme heat or fire.
20. Make sure someone is within range of your voice or close enough to come to your aid when working with batteries.
21. Remove personal metal items like rings, bracelets, necklaces, etc. When using the products.
22. Do NOT store in locations where the temperature may exceed 70°C
23. Charge only at ambient temperature between 0°C and 60°C.
24. Charge only using the charger provided with this unit.
25. Do NOT use the unit to jump start a vehicle while charging the internal battery.
26. If this unit is leaking liquid dispose of at a proper recycle facility immediately.
27. Under extreme conditions, battery leakage can occur. If a liquid is noticed coming from product do not handle with bare hands. In case of skin contact wash with soap and water immediately. If liquid comes in contact with eyes rinse eyes with cold running water for at least 10 minutes and get medical attention immediately.
28. Product contains lithium based battery, at end of product life dispose of product according to local regulation.

PRODUCT LAYOUT



OPERATION GUIDE

LCD Display Description:

1. Battery power display:

Press the switch button which will display "BATTERY" and also shows the total power. XX%, indicates that the battery has a XX% of the electricity; 100%, indicates that full power; display "BATTERY LOW RECHARGE", indicates that 0-649-40 power is low, please charge.

2. The products charge:

While 0-649-40 is connected to home charger LCD displays "CHARGING", and also shows the current battery power.

3. LED lighting display:

Pressing 0-649-40 host light switch can turn on and off different lighting modes, as follows: On, Strobe Mode and SOS mode:

4. USB output display:

5V2.1A /1A USB output: When 5V2.1A/1A USB output port is connected to the USB cable and you press the power button, the display shows: "USB1 ON", it can then be used to charge mobile phones, tablet computers and other digital products.

5. Output reverse: means the clamps are connected the wrong way "WARNING CLAMPS REVERESD CHECK ALL CONNECTIONS" appears in screen. Together with the "REVERSED" LED will be illuminated. At this time, the start is prohibited. Remove the jumper cable, connect again to correct terminal. (The red clamp is connected positive (+) and the black is connected negative (-) terminal.)

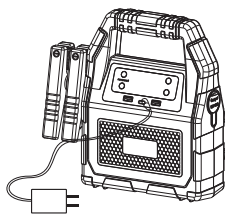
6. Output short-circuit: It shows that car battery are short circuited of output when "WARNING SHORT CIRCUIT CHECK ALL CONNECTIONS" appears in screen. At this time, the start is prohibited. Remove the jumper cable, and keep pressing power button 3S to deal with issue. If it cannot be dealt with, please call professionals to check.

7. 12V/ 24V output display:

1. Press 12V key, displays "12V JUMP START READY";
2. Press 24V key, displays "24V JUMP START READY".

CHARGING

1. Connect the USB cable with the UK plug and then plug it into the universal socket.
2. Connect the Type C USB connector to the 0-649-40.



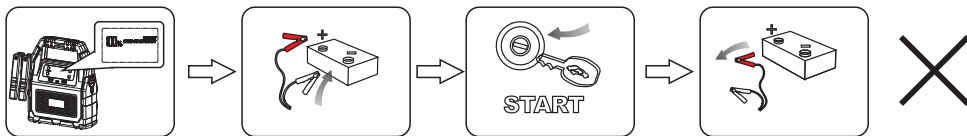
JUMP STARTING

1. Before jump starting the vehicle make sure the jump pack has at least 60% battery.
2. Connect the RED clamp to the vehicle's battery positive (+) terminal and connect the BLACK clamp to the vehicle's battery negative (-) terminal.
3. When jump starting a 12V vehicle the LCD screen displays "12V JUMP START READY"; when jump start 24V vehicle the LCD screen displays "24V JUMP START READY"; Please note that if the battery is too low for voltage auto detection then please manually select voltage by pressing and holding either 12V or 24V button for 3 seconds dependent on the vehicle you are trying to start.
4. Start the vehicle
5. When the vehicle is started, remove the jumper cable from Jump Starter and disconnect RED and BLACK clamps from the vehicle battery. Leave the vehicle's engine running.

Please Note: For 12V vehicle auto detection the voltage range is 5V~15V (Voltage of car battery)

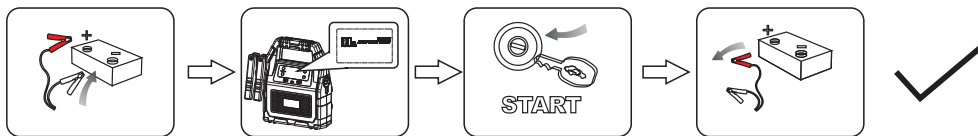
For 24V vehicle auto detect voltage range is 17V ~ Voltage of battery pack, so the lowest voltage for 24V vehicle auto detection is 17V. If the car voltage is within the range of 15V-17V, the auto detect system will not apply and there will be no action. The user should apply manual operation

Error operation prompt:



1. The host Display shows: JUMPSTART READY
2. Connect the positive and negative poles of the car battery.
Red clamp connect "+"
Black clamp connect "-"
3. Start the vehicle
4. Remove the clamps

Correct operation tips:



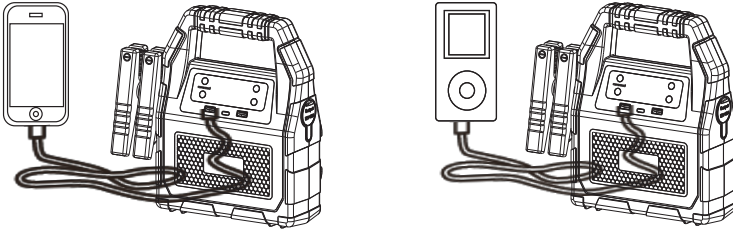
1. Connect the positive and negative poles of the car battery.
Red clamp connect "+"
Black clamp connect "-"
2. The host Display shows: JUMPSTART READY
3. Start the vehicle
4. Remove the clamps

If there is no jump start reaction please check the following:

1. Check to see that the battery clamps are connected correctly.
2. If the clamps are connected correctly but there is still no power please check the vehicle's battery to ensure it has not failed.
3. If the above has been fulfilled then the vehicle will need to be inspected by a professional who can assess the vehicle for the further fault.

CHARGING AUXILLARY DEVICE

1. Plug the USB cable to USB 5V output port.
2. Select appropriate connector and connect it to your mobile phones or tablet.
3. Press the switch button to charge.



1. When 12V electronics/automotive products connected to the cigarette lighter port.
2. Press the On/Off switch button to power supply.

LED flash light

1. Press the switch 3 seconds to start the LED flash light.
2. There are 4 modes of LED light, cycle through in order by pressing button lightly (normal, strobe, SOS, off).

Parts List:

- 1 x 12/24v Li-Polymer Jump Pack
- 1 x 230v UK Charger
- 1 x Charge cable
- 1 x User Manual

Toxic and Harmful Substances in 0-649-40

Composition and amount of toxic and harmful substances in EPower.					
Pb	Hg	Cd	Cr(Vi)	PBB	PBDE
0	0	0	0	0	0
0: Indicate all homogeneous materials' hazardous substances content are below the MCV limit specified in the Standard 2002/95/EC(RoHs).					

TECHNICAL SPECIFICATIONS

Type	Jump Starter Pack
Capacity	3.7V, 42,000mAh (155wh)
Battery Cell	Li-Polymer LiCoO2
Output Voltage	12/24VDC, USB 5V 1A & 5V 2.1A; Cigarette Socket 12V 10A
Start Current..	600A
Peak Current.	1500A
Charge Input..	Quick Charge(5V 2A;9V 2A)
Full ChargingTime	9-10 Hours
OperatingTemperature	-20°C to 60°C
Dimensions	250*247*95mm
Weight	2.4KG
Certification	CE



Overcharge and
Overdischarge Protection



Fuse Protection



Against-reverse Plug

**UK
CA**

Applied Standard:GB/T 18287-2000

