



O-649-75 12VDC Jump Starter Pack

DURITE's innovative 12VDC Super Capacitor Jump pack. Super light and compact with capability to jump start upto 6.0L petrol vehicles and 3.0L diesel vehicles. For 12v application this product outputs 400A Starting Current and 800A Peak Current. Intelligent LCD display shows state of charge and vehicle battery health status. CE approved.

Parts List:

- 1 x 12v Super Capacitor Jump Pack
- 1 x USB to Micro USB Charger Cable
- 1 x 12v In car charger
- 1 x User Manual



THE TRUSTED QUALITY BRAND FOR PROFESSIONALS

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 when using the appliance



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 E-Power. Only a repair technician may repair this unit



Do not expose the appliance to heat



Do not store in locations where the temperature may exceed 70 °C

Only at ambient temperatures between 0 °C and 40 °C



Only using the charger provided with the appliance



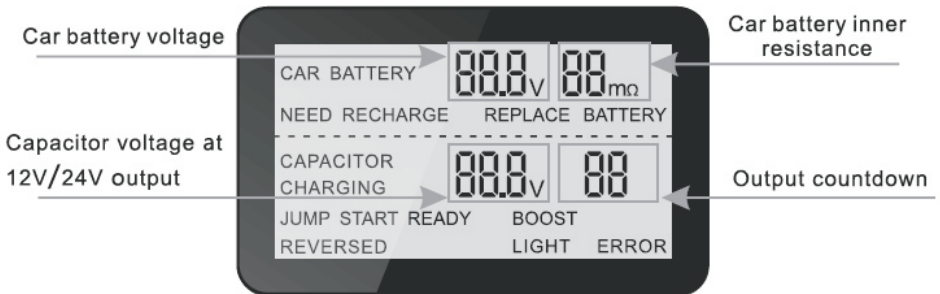
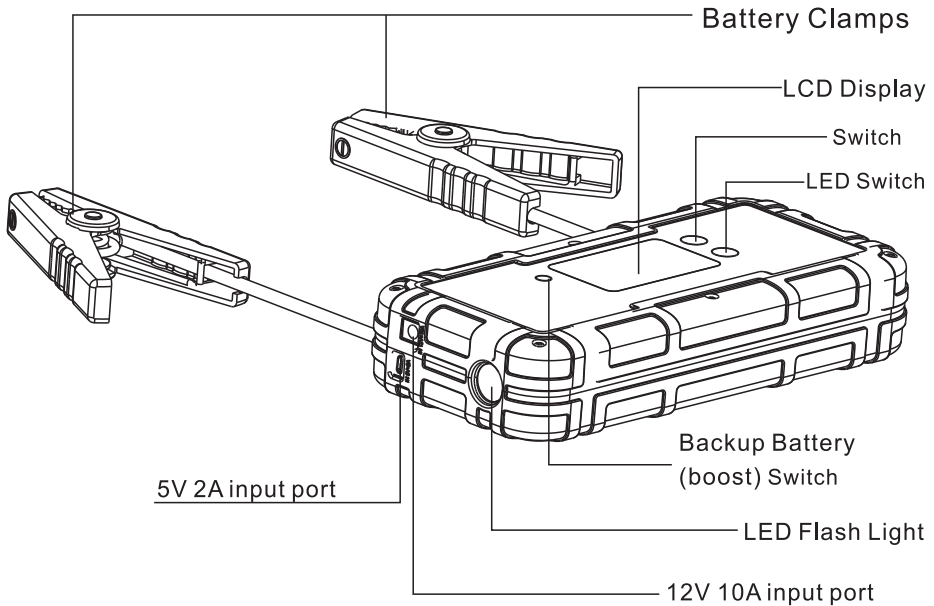
Under extreme conditions, battery leakage may occur. Carefully wipe the liquid off using a cloth and avoid skin contact when you notice liquid on the batteries. In case of skin or eye contact, rinse immediately with clean water and seek medical attention



At the end of their useful life, discard the appliance with due care for our Environment

1. Do NOT crank the engine for more than 3 seconds using the product.
2. Please wait at least 2 minutes before trying to crank the engine again if it does not start.
3. Make sure the voltage is selected before connecting to a vehicle battery.
4. 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.
5. Remove the jump starter immediately on starting the vehicle.
6. 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.
7. 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.
8. If the unit enters its 'protected state' please press and hold the 'power' button to reset the unit.
9. 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.
10. MUST NOT BE USED TO JUMP START ANY VEHICLE WITH A LITHIUM ION BATTERY INSTALLED - RISK OF DAMAGE OR INJURY!
11. Do not use the unit if it has been dropped or damaged.
12. Do not charge for more than 25 minutes. Remove from charge once LCD screen is no longer illuminated.
13. Jump for 12V vehicles only. It is forbidden to use for other machines such as aircraftship and so on.
14. DO NOT use this unit if any cable clamp or cord is damaged.
15. DO NOT use in place of a vehicle battery.
16. DO NOT use as a battery charger.
17. Do NOT operate the product in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.
18. Do NOT expose product to extreme heat or fire.
19. Make sure someone is within range of your voice or close enough to come to your aid when working with batteries.
20. Remove personal metal items like rings, bracelets, necklaces, etc. When using the products.
21. Do NOT store in locations where the temperature may exceed 70°C
22. Charge only at ambient temperature between 0°C and 60°C.
23. Charge only using the charger provided with this unit.
24. Do NOT use the unit to jump start a vehicle while charging the internal battery.
25. If this unit is leaking liquid dispose of at a proper recycle facility immediately.
26. 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.
27. Product contains super capacitor, at end of product life dispose of product according to local regulation.

PRODUCT LAYOUT



KEY INSTRUCTIONS

Check the power status of the jump starter by pressing the power SWITCH (shown page before).

BOOST button: in case the capacitor is 14.0V or lower or if the vehicle battery voltage too low, please press and hold the BOOST button for 2 seconds. The LCD display will show "JUMP START READY"

LED Flash Light: Press and hold the switch for 3 seconds to start the LED flash light.

There are 4 modes of LED light, cycle through in order by pressing button lightly (normal, strobe, SOS, off).

CHARGING / OPERATION GUIDE

Connect the USB cable with the UK plug or 12V cigarette charger and then plug it into the 5V2A or 12V10A socket shown on the product layout diagram. Follow instructions per state of charge on the LCD screen. Remove from charge once fully charged. Use appliance immediately to benefit from full cranking ability from the full charge stored in the capacitors. The unit can also charge by the vehicle battery - see below.

Connect the jumper clamp to the car battery terminal RED = +VE, BLACK = -VE. The unit will detect the voltage and internal resistance of the car battery as shown below Fig 1:

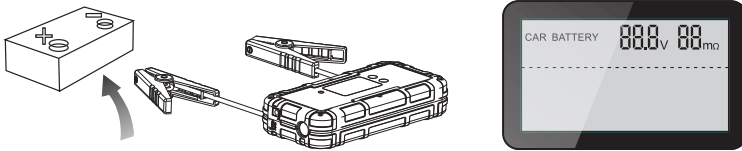


Fig 1

The LCD display shows "JUMP START READY" then the ultra capacitor can jump start the car. The LCD display shows "CHARGING"; after 45 to 60S, the LCD display will show "JUMP START READY"; the ultra capacitor can now jump start the car. If vehicle battery below 5VDC DO NOT ATTEMPT to charge. Use alternative charging methods shown below.

Press the backup battery button to jump start by the backup 6000mAh battery (Fig 2 shows) , after 4min, when the LCD display shows "JUMP START REDAY", the ultra capacitor can jump start the car.

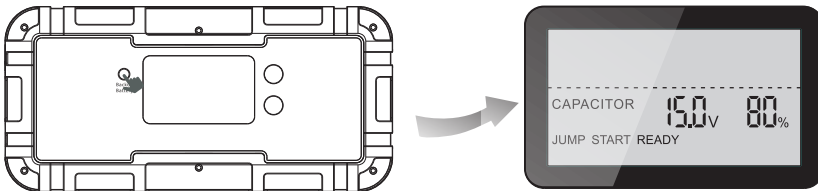


Fig 2

Use 12V cigarette lighter to charge it(Fig 3 shows) after two minutes, the ultra capacitor voltage shows 15V, it can jump start the car.



Fig 3

Use the AC adapter to charge it (Fig 4 shows) after 20min and the LCD display shows the ultra capacitor voltage 15V, it can jump start the car.

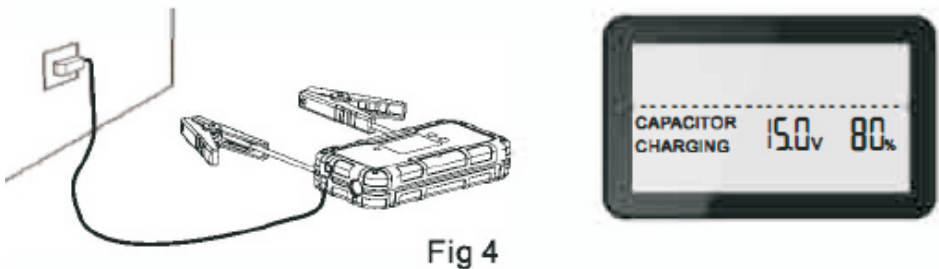
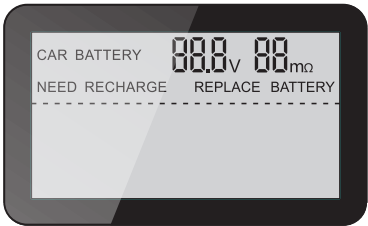


Fig 4

Connect Red Clamp to the positive (+VE) battery terminal, Black Clamp to the negative(-VE) battery terminal checking the voltage and inner resistance to determine if the car battery needs to be charged or to be replaced.The LCD will show the values as per image below.



When the battery voltage <12V and resistance<50mOhms, the screen displays NEED RE-CHARGE. When the resistance >50mOhms, the sreen display REPLACE BATTERY.

When you can't start the vehicle, please follow the steps as below to resolve:

1. Refer to the owner's manual to determine the battery voltage and ensure that the jump packs output voltage is correct.
2. Turn off the vehicle ignition, switch and all accessories (lights, radio, etc.)
3. Ensure that the RED clamp is connected to the vehicle's battery positive(+) terminal and connect the BLACK clamp to the vehicle's battery negative(-) terminal
- 4.The screen will display "XX.X V"+ "Jump START READY"
- 5.The product will output for 30 seconds after forced output (the screen display "jump start ready"). Please start the car within 30 seconds
6. If the above operation still can not start the car, please confirm if the current product voltage is consistent with the vehicle battery voltage.
7. 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.

Toxic and Harmful Substances in 0-649-75

Pb	Hg	Cd	Cr(Vi)	PBB	PBDE
O	O	O	O	O	O

O : 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	720F x 6 Super Capacitor + Back Up Battery 6Ah
Battery Cell	6000mAh
Output Voltage	12VDC
Start Current..	400A
Peak Current.	800A
Charge Input..	5V2A / 5V1A / 12V/10A
Full ChargingTime	25 Mins (5V2A), 3 Mins (12V10A), 55 Secs (Vehicle Battery)
OperatingTemperature	-20°C to 60°C
Dimensions	250*120*50mm
Weight	1.150KG
Certification	CE, RoHS



Overcharge and
Overdischarge Protection



Fuse Protection



Against-reverse Plug

Applied Standard : GB/T 18287-2000

