KJM

JC20
Universal Jump Starter/Charger

Operation Guide

KJM's line of I2V lithium-polymer multi-function jump starter/chargers work with all vehicles powered by a I2V lead-acid battery. KJM jump starters/chargers include connectors to charge cellphones, computers and tablets. Also included is a high intensity LED flashlight with SOS Strobe and hazard modes.

THANK YOU FOR PURCHASING A KJM PRODUCT

KJM is dedicated to providing the finest in **Marine and Outdoor** equipment. Our products are built to withstand the harshest environments, and designed by people with over three decades of industry experience.

Warning 12VDC vehicles ONLY! DO NOT use on 6V, 24V or 32V systems.

I. FEATURES

> Two (IA and 2A) USB Outputs for cell phones, tablets and other 5V devices
> One I9VDC 3.5A Output for Laptops with eight adapters
> One I2VDC IOA Output
> LED Flashlight with SOS Alert, Hazard Strobe, High and Low modes
> LED battery capacity/charging Indicator

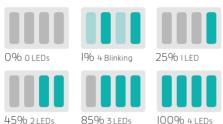## 2. SUPPLIED WITH

IIOVAC Charger

I2VDC Car Charger

Jumper Cables
JC20

Multi-adapter Cable

I9V Power Cable

I9V Power Adapters

3. CONNECTIONS

a LED Charge Indicator
b Jumper Cable Port
c 5V IA USB Output
d 5V 2A USB Output
e LED Flashlight
f IIOVAC/I2VDC Charger Input
g I2V IOA Output
h I9V 3.5A Output
i Function Switch

4. LED CHARGE INDICATOR

Press Switch to check the JC20 battery condition

0% 0 LEDs

1% 4 Blinking

25% 1 LED

45% 2 LEDs

85% 3 LEDs

100% 4 LEDs

5. CHARGING

When charging the Jump Starter, the LED Charge Indicators located on the top of the device will flash. Charging is complete when all 4 LEDs are illuminated. Charge only at ambient temperatures between -20° and 60°.

1. Plug the home adapter into an AC outlet or plug the car adapter into the car's cigarette lighter socket
2. Connect the plug on the other end of the adapter to the Input 15V 1A port
3. Typical charge time for a discharged battery is 8 hrs

6. JUMP STARTING

Warnings

> Never connect the Red and Black jumper cable clamps together
> Do not allow the device to become wet or immersed in liquids
> Do not operate in explosive atmospheres, such as near flammable liquids or gases
> Make sure the jumper cable is tightly connected to the jump start socket before jump starting the vehicle
> Do not disassemble JC20 as there are no serviceable components inside
> Shock hazard, keep away from children
> Jump starting an engine should never be tried for more than 15 sec. at a time or the jumper cables will overheat. If the engine does not start within 15 sec. there may be another problem preventing it from starting
> Do not use the JC20 where there are flammable fumes or gases, such as an inadequately vented bilge of a boat
> Prop. 65 Warning: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm

Before you begin
> Turn off all systems in your vehicle (lights, air conditioner, heater, stereo, etc.) to ensure the KJM Jump Starter will provide maximum current to start the vehicle
> Properly clean the battery terminals if necessary
> Press the Function Switch and confirm the battery charge shows at least 3 LEDs

Jumper cable status LEDs
The Jumper cable has two status LEDs, Red and Green:
> Green and Red blinking: Ready to connect to the vehicle battery
> Green on: Connection correct
> Red on: Connection reversed or short-circuit
> No LEDs indicate the Jump Starter's battery is low, or the jumper cables are not properly connected

Jump start vehicle instructions

1. Connect the JC20 red jumper cable to the Positive (+) and black jumper cable to the Negative (-) poles of the 12V battery

one

2. Connect the jumper cable plug to the JC20

two

3. Confirm the Green LED on the jumper cable is illuminated

three

4. Turn the key to start the vehicle

four

5. Once the vehicle starts, remove the jumper cable plug from the JC20

five

7. CHARGING A CELL PHONE OR TABLET

Charging or suppling 12/16 or 19V to electronics
1. Plug the black 19V power cable (see connection section) to the JC20 Output
2. Select appropriate adapter and connect to the black double ended cable, then connect to Laptop
3. Press the Function Switch to start powering the device

8. MULTI-MODE FLASHLIGHT

How to use the multi-mode flashlight
1. Press and hold the Function Switch button until the LED light turns on
2. To select modes, momentarily press the Function Switch button
3. Short presses will select; Bright, Dim, Hazard Strobe, SOS signal and OFF

9. SPECIFICATIONS

Performance specifications are nominal and unless otherwise indicated, are subject to change without notice. <u>At the end of their useful life, please discard the appliance with due care for our environment.</u>*

BATTERY	CAPACITY 20,000MAH (66.6WH)
SIZE	8.1" X 3.1" X 1.3" (206 X 79 X 33MM)
WEIGHT	14.6 OZ
CHARGE INPUT	DC15V 1A
OUTPUTS	USB 5V: 1A AND 2A - TABLET PC AND CELL PHONE 12V: JUMP START (ENGINE START), 12V: 10A / 19V/3.5A - LAPTOP
STARTING CURRENT	300A
PEAK CURRENT	600A
OPERATION TEMP	-20°~60° / -4°~140°
FULL CHARGING TIME	8 HOURS
CYCLE TIME	>3000 TIMES

* Seriously, we mean it!

10. WARRANTY & CONTACT

KJM warrants its products to be free of defects in materials and workmanship for 2 years. KJM's obligation under this warranty is limited to repair or replace defective products. No material will be repaired or replaced without written authorization from KJM. Repair or replacement will be made only after an examination indicates defective material or workmanship at time of manufacture. KJM is in no event liable for consequential damages, installation costs or other costs of any nature incurred as a result of the use of the products manufactured by KJM, whether used in accordance with instructions or not. All shipping costs on returned material are the responsibility of the purchaser. KJM is not liable for repair or replacement of any product damaged by lightening, other natural phenomenon's or incorrect installation including reverse polarity connections. This warranty is in lieu of all others, either expressed or implied. Proof of purchase is required.

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ANTENNAS

A430-VSS 3' 3dB VHF Stainless Steel Whip Antenna
A430-V 4' 3dB Marine VHF Antenna
A430-AIS 4' 3dB Marine AIS Antenna
A861-V 8' 6dB Marine VHF Antenna
A861-AMFM 8' Marine AM/FM Antenna
A1790-V 17' 9dB Marine VHF Two Piece Antenna

CAMERAS

C30 Mini Bullet Camera
C55 Mini Dome Camera
C70 Varifocal Dome Camera

LED LIGHTS

SL100 212K LED Searchlight
FL100 830 lumen, 5 mode LED Flashlight

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built to withstand the harshest environments
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