



# 12V Jump Starter User Manual MA21000



Thank you for choosing the Matson MA21000 12V Lithium Jump Starter. Always follow basic safety precautions when using electrical appliances and battery products. Read all instructions carefully, and please keep this instruction manual for easy reference.



Overcharge and Overdischarge Protection



Fuse Protection

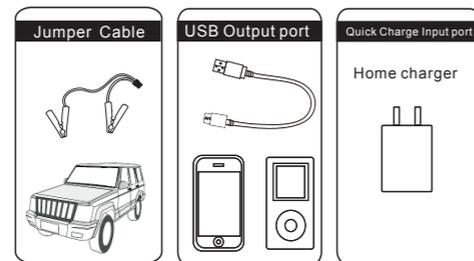
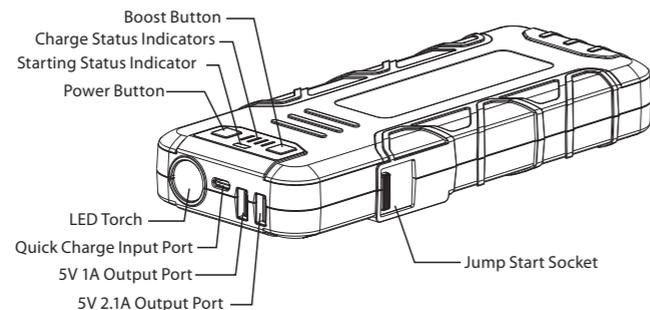


Against-reverse Plug

Applied Standard : GB/T 18287-2000



## PRODUCT LAYOUT



## PARTS LIST

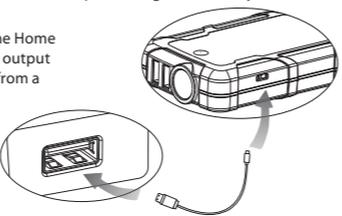
#	Part	Qty	#	Part	Qty
1	Jump Starter	1	4	240V AC Adaptor	1
2	USB Cable	1	5	User Manual	1
3	Smart Jump Leads	1			

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## JUMP STARTER CHARGING INSTRUCTIONS

Please make sure to charge the jump starter after purchasing, and before your first use.

- 1) Plug the USB charging cable into the Home AC Charger or any functioning USB output port. The device will charge faster from a Quick Charge output
- 2) Connect the micro-USB plug into the MA21000



The LED charge level indicator lights will flash one by one as the unit is charging. When charging is complete, all indicator lights will turn off.

The MA21000 will retain a useful charge for up to 12 months, but it is highly recommended to charge the unit every 3 months in order to maintain the battery in optimum condition.

### Charge Level Indicators:

Press the power button and the LED lights corresponding to the level of charge will be illuminated

Indicator	Unlit	1 solid	2 solid	3 solid	4 solid
Charge level	0%	25%	50%	75%	100%

### LED Lighting Modes:

Press and hold the LED button for 2 seconds until the light on the front of the Jump Starter turns on. The LED button can be pressed briefly again to cycle through the other lighting modes – Steady, Strobe Flash, SOS and Off.

### Charging USB Devices:

Connect a USB powered device to either of the USB output ports, then press the power button to start charging. The connected device should indicate it is charging. Once charging is complete, the MA21000 will automatically turn off.

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## JUMP STARTING INSTRUCTIONS

1. Check your vehicle owner's manual! Some vehicles have special requirements before jump starting the vehicle.
2. If the vehicle battery is abnormally hot, smoking or swollen **DO NOT ATTEMPT TO JUMP START!** Stop using the vehicle, do not attempt to charge, and remove the battery from the vehicle if it is safe to do so.
3. Make sure the jump starter has at least 75% battery capacity remaining. Attempting to start a vehicle when the jump starter has less than 75% capacity can potentially damage the jump starter battery.

Prepare: Make sure there is no oxidation or dirt on the vehicle battery terminals. A dirty connection will prevent maximum power being transferred to the vehicle and may result in not being able to start the vehicle

1. Slide open the protective cover on the jump start housing and insert the blue connector on the jump start leads. Make sure this connection is firm and secure, and that the Starting Status Indicator LED is off.

2. Attach the jump start lead clamps to the vehicle battery, being very careful to connect the red clamp to the positive (+) battery terminal and the black clamp to the negative (-) battery terminal.

3. Immediately check the Starting Status Indicator LED for one of the following conditions:

**Green LED solid:** The connection is correct and starter is ready – Start the vehicle.

**Red LED with alarm:** The jump start lead clamps are connected in reverse polarity, or there is a short circuit. Correct the connection and wait for a **Green LED**, then start the vehicle.

**Green LED flashing:** Vehicle battery has very low voltage, press the Boost button and wait for the Starting Status Indicator to show a solid **Green LED**, then start the vehicle.

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No Light: Vehicle battery may be damaged. Check the connections at the battery are correct, then press the Boost button. Wait for a solid **Green LED**, then start the vehicle.

**Red and Green alternating:** The jump starter is in protection mode and is locked for 2 minutes. This will happen after 4 consecutive start attempts, or if the unit is too hot. Wait for a solid **Green LED**, then attempt to start again.

**Note –** Once **Green LED** is activated, you have 30 seconds to start the vehicle before the unit will switch off.

4. **Once the vehicle has started, immediately remove the jump start leads from the jump starter, then disconnect the clamps from the vehicle battery.**

**If the vehicle does not start after 4 attempts, there is probably something other than the battery causing the issue, consult an automotive professional.**

## TOXIC AND HARMFUL SUBSTANCES

Composition and amount of toxic and harmful substances in EPower.					
Pb	Hg	Cd	Cr(VI)	PBB	PBDE
○	○	○	○	○	○

○ : Indicate all homogeneous materials' hazardous substances content are below the MCV limit specified in the Standard 2002/95/EC (RoHs).

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## TECHNICAL SPECIFICATIONS

Dimension:	225 x 91 x 34mm
Weight:	750g
Battery Capacity:	21000mAh(77.7Wh)
Output:	5V = 1A; 5V = 2.1A; 12V jump start
Input:	Quick Charge(5V=2A; 9V=2A)
Start current:	550A
Peak current:	1300A
Operating temperature :	-20°C ~ 60°C

## FAQ

**Q:** How do I turn off the MA21000?  
**A:** The Jump Starter will turn itself off automatically after a short period of inactivity.

**Q:** How many times can the MA21000 jump start a vehicle?  
**A:** This depends on voltage, engine capacity and conditions, but as a guide it will start 12V passenger vehicles around 10 times. The bigger the vehicle and engine, the fewer starts you will get.

**Q:** What will the MA21000 start?  
**A:** This depends on the capacity and condition of the engine, but up to 3 litre diesel engines is expected.

**Q:** How long does it take to fully charge the MA21000?  
**A:** Approximately 5.5 hours.

**Q:** How long is the life-span of the MA21000?  
**A:** About 3 to 5 years, depending on how frequently it is used and how well it is looked after.

**Q:** How long does the battery hold charge?  
**A:** The MA21000 can hold 70% of its rated capacity for up to 1 year. For optimum performance and life-span we recommend you fully charge the jump starter each 3 months.

**Q:** What happens if I use the MA21000 outside its recommended temperature ranges?  
**A:** The MA21000 has thermal sensors and protections that will prevent its use when the device exceeds its operating temperature ranges.

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## WARNINGS

- 1 Always check that the battery clamps are connected in the correct polarity – RED clamp to Positive (+) terminal, BLACK clamp to the Negative (-) terminal.
- 2 Always check that the battery clamps are well connected without any dirt or corrosion.
- 3 DO NOT connect the jump start clamps to the vehicle battery in reverse polarity when the Override function is engaged, this can damage the vehicle and the jump start unit.
- 4 DO NOT touch the two jump start clamps together when the Override function is engaged, this can damage the jump start unit.
- 5 Remove the jump start clamps from the vehicle battery within 30 seconds after jump starting the vehicle.
- 6 DO NOT attempt to jump start a vehicle more than 3 times. If this does not work, there are other problems with the vehicle.
- 7 DO NOT modify or disassemble the jump start unit.
- 8 DO NOT immerse the jump start unit in water or allow it to become wet.
- 9 DO NOT operate the jump starter in explosive atmospheres, including in the presence of flammable gases, liquids or dust.
- 10 If the jump start unit is damaged and the contents of the battery come into contact with skin or eyes, rinse immediately with water and seek medical attention.
- 11 Please dispose of this jump start unit responsibly at the end of its service life.

## WARRANTY

Products developed and sold by Tridon Australia Pty Ltd come with a guarantee for the reasonable life of the product, for the purpose it is commonly used. This is in addition to the rights of the consumer under the Australian Consumer Law. To be considered for warranty please take the product with proof of purchase to the store where you purchased the product or contact Tridon Australia

The warranty is given by:  
Tridon Australia, 21-25 Derby St, Silverwater, NSW 2128.  
Tel: 1300 362 263.  
Email: mail@tridon.com.au

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage incurred if the product fails when used for the purpose for which it was intended. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Tridon Australia will bear costs associated with claiming legitimate warranties. Proof of expenses incurred must be submitted to Tridon Australia Pty Ltd.

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