

Introduction

XTAR MC2 charger is a charger that exceeds your imagination. With quite light weight and ultra-compact size, it's been designed to be very solid and pragmatic. MC2 inherits all XTAR chargers' great features and derives its own incomparable characteristics.

What makes MC2 outstanding?

1. 0V activation function could wake up over-discharged batteries, even those newly drained to 0V.
2. Safely charging. It could charge a battery precisely up to 4.2V, and automatically stop charging when complete. Thus, you no longer worry about whether the battery is overcharged or under charged, achieving a great insurance to battery's lifespan.
3. Compact and very portable. 42grams very light weight and compact size could charge 26650 battery with no adaptor or spacer, along with USB port, always make your travel easier.
4. TC-CC-CV 3-stages charging method. It slowly ramps up the charge rate, soft charges even nearly empty batteries, then uses great CC/CV charging, which never hits batteries all-at-once.
5. Over-heating protection, short circuit protection and polarity-reverse protection.
6. Cost-effective. Besides of the above mentioned, only cost a battery's price, you could get a 2-slot charger which could charge 2 batteries with 0.5A simultaneously, and make your plenty *dead* batteries back to life.

Features:

- 1.Charge two batteries simultaneously and independently.
- 2.Intelligently identify input power and automatically adjust suitable charge current(0.25A/0.5A).
- 3.Applying to Micro USB interface for power supplying makes charging flexible and convenient.
- 4.LED indicators do real-time display of battery state.
- 5.Three-stage charge algorithm(TC-CC-CV).
- 6.Over heat protection. When operate in high temperature, MC2 will automatically lower charge current to prevent over-heating burns.
- 7.Built-in reverse-polarity and short-circuit protection circuit.
- 8.0V activation and soft-start function.
- 9.MC2 has under voltage lockout and self-start function.
- 10.Automatically stop when charge complete.
- 11.ABS durable material.



MC2

Two-slot intelligent portable
Battery Charger

- ✓Intelligently adjust current options (0.5A/0.25A)
- ✓Compatible with USB cable and any USB port adaptor
- ✓Charge two 14500/14650/16340/17500/17670/18350/18500/18650/18700 3.6V/3.7V Li-ion batteries.
- ✓Three-stage charging and 0V battery activation.
- ✓Low voltage and over heat protection.
- ✓LED indicators do real-time status indication.
- ✓Adopt high efficiency DC-DC circuit, lower the voltage and reduce energy loss.
- ✓Reverse-polarity and short circuit protection.
- ✓Soft starts function and over discharged battery activation function.
- ✓Compact and portable



MC2

Two-slot intelligent portable
Battery Charger

Compatible with IMR batteries
Three-stage intelligent charging (TC-CC-CV)

Charge two
14500/14650/16340/17500/17670/
18350/18500/18650/18700
3.6V/3.7V lithium battery
Compatible with different sizes of batteries





MC2

Two-slot intelligent portable
Battery Charger



**Compatible with USB cable
& any USB port adaptor**

Wall adaptor
Solar panel
computer supplying power



MC2

Two-slot intelligent portable
Battery Charger



Intelligently adjust current options (0.5A/0.25A) :

- A. Using XTAR standard adaptor (5.0V/1.0A), charging current for each slot will be 0.5A
 - B. Using USB cable (5.0V/0.5A), charging current for each slot will be 0.25A
- Stop charging automatically when charging completed**



MC2



Red on

Battery is being charged
activated or channels are
performing short circuit



Green on

Any of the following conditions:
Charge is complete
No battery is inserted
Poor connection Standby mode

Two-slot intelligent portable
Battery Charger



Lights off

Battery polarity is reversed



MC2

Two-slot intelligent portable
Battery Charger

0V activation to repair over-discharged batteries

Soft-start function,
to avoid large charging currents surge



Provide reverse-polarity protection
& short circuit protection



MC2

Two-slot intelligent portable
Battery Charger



Low heat Design
15°C Maximum Temperature Rise
Safely protected by fireproof ABS material
Soldering with leadless solder wire



MC2

Two-slot intelligent portable
Battery Charger



**No need for
any spacers**





MC2

Two-slot intelligent portable
Battery Charger

Charge Parameter:

Input Power: 5.0V DC/1000mA

CC Current: 500mA or 250mA

Cut-Off Voltage: 4.20V

Operation Temperature: 0-40 °C

