


Product Specification

Part Number	WF-UC-201
Dimensions	117x62x27.5mm
Snapshot	

- **Product Description**

- An Universal Fast Charger for Li-Ion/NiMH/NiCd Batteries from Camcorders, Digital Cameras, MP4s and Cell Phones

- **Product Features**

- Compact and light design without additional adapter plates, ideas for travel.
- Charges all old, present & future 3.6-3.7V/7.2-7.4V Li-Ion battery packs, 1-2 3.6V round cells and 1-2 NiMH/NiCd AA/AAA cells etc. for camcorders, digital cameras, MP4s and cell phones by a bonding method.
- Microprocessor identifies 3.6-3.7V/7.2-7.4V Li-Ion batteries and NiMH/NiCd cells and their +/- poles, and adjusts to charge automatically.
- Controls fast/trickle charge accurately to ensure the batteries charged swiftly and fully.
- Low-voltage battery activation.
- Over-voltage, short-circuit and over-time protections and defective battery detection.
- Worldwide voltage (100-240V) and plugs (EU., UK, USA etc.) for worldwide use.
- Switching power adapter and 12V car cigarette lighter adapter included for home and car use.

- **Specification**

Items	Condition	Min.	Typ	Max.	Unit
Input Voltage	Use AC adaptor	9	12	15	V dc
Input Power			600		mA
Standby Current	Battery not loaded		30		mA
Charging Current	@ constant current mode	200	500	550	mA
Charging Voltage(4.2V battery)	@ constant voltage mode	4.1	4.2	4.3	V dc
Charging Voltage(8.4V battery)	@ constant voltage mode	8.3	8.4	8.5	V dc
Operating Temperature		-20		60	°C
Storage Temperature		-40		80	°C
Storage Humidity		0		90	%

Functions

Item	Specification
Rechargeable Qty.	1 Piece
Battery Type Detection	<ul style="list-style-type: none">When the battery attached to the unit, it begin to charge the battery for 15 seconds and then measure the battery voltage.If the battery voltage higher than 4.5V, consider to be 7.2V battery. If the battery below 4.5V, consider to be 3.6V battery.
Fast Charge	<ul style="list-style-type: none">A constant current/constant voltage will apply to the battery in this state. The battery voltage will be monitored. Several termination methods will be employed in this state.
Charge Timer	<ul style="list-style-type: none">When the charge begins,the 8 hours timer also started. It acts as a safety guard, and prevent the battery from overcharging. When this timer is expired, it will go to the maintenance charge state automatically.
Termination methods	<ul style="list-style-type: none">At the constant voltage (4.2V/8.4 +/-0.1V) charging mode, charging current decrease form 700mA. When the current under 100mA, the charger indicate charge full but the charging continuous until the current under 30mA.
Protection	<ul style="list-style-type: none">Under voltage protectionOver Voltage protection (4.3V/8.6 +/- 0.1V)8 hour maximum timerShort circuit

Indications

Indications	LED	Buzzer (Optional)
Power	1 red LED It lights up when power is applied to the charger.	No sound
Charging status	1 green LED Charging – blinking at 1Hz Full – on Not charge - off	Not charge – no sound Charging Start – B~~E~~E~~P Full – BEEP, BEEP for 3 times

Battery Fault indication

Items	Conditions	Indication
Shot circuit		Red and green LED will blinking at same time
Over voltage	The battery voltage is equal or higher than 8.7V at all time	Red and green LED will shining at same time
Under voltage	The battery voltage equal or below 2.0V when start charging	Red and green LED will blinking at same time
Charging time out	Total charging time over 8 hrs.	Red and green LED will blinking at same time