



# 100W - 20 MINUTES AC/DC NI-CD BATTERY CHARGER **MTC-100**



## FEATURES:

- VERY SMALL & COMPACT IN SIZE
- 6-14 CELLS NICD BATTERY PACK
- EMI/ RFI: MEET LIMITS
- MEET UL60950, TUV EN60950
- FCC PART 15 CLASS B
- CISPR 22 CLASS B

## SPECIFICATION

### INPUT SPECIFICATION

**Input Voltage:** 90-264Vac typical.  
**Input Frequency:** 47-63Hz.  
**Input Power:** 240VA max.  
**Inrush Current:** 35A; cold start 25 °C.  
**EMI:** FCC part 15 Class B, CISPR 22 Class B

### OUTPUT SPECIFICATION

**Output Voltage:** +8.0V ~ +24Vdc  
**Output Current:** 4.5 +/-0.5A  
**Output Wattage:** 100 Watts typical.  
**Line Regulation:** ± 1.0% typical.  
**Load Regulation:** ± 5.0% typical.  
**Protection:** Fully protected against over voltage, over current and short circuit. Peak voltage cut-off detection. Temperature cut-off @ 40 °C.

### GENERAL SPECIFICATION

**Efficiency:** >70% at fast charge  
**Safety Standard:** UL60950 & TUV EN60950

#### LED Indication:

Pending: LED & buzzer off  
 Battery Low: Green flash 1s  
 Charging: Green on  
 Charge completion: Green flash; buzzer  
 Over-temperature: Red flash; buzzer

**Construction:** Impact resistant plastic enclosure case

## OUTPUT VOLTAGE / CURRENT RATINGS CHART

### SINGLE OUTPUT *(Model No. for example)*

MODEL NO.	NO. OF CELL	CELL CAPACITY	CHARGE TIME (MAX)
MTC100-00X130	6-14	1.3AH	20 Minutes
MTC100-00X200	6-14	2.0AH	30 Minutes

**MECHANICAL DIMENSIONS:** 178x135x66MM

**WEIGHT:** 700g

Note:  
 1. All measurements are at nominal input, full load, and +25 °C unless otherwise specified.  
 2. Due to requests in market and advances in technology, specifications subject to change without notification.



For the details of safety approval, please consult the factory.