



# MCNT4200200

## 42V2A Lithium Ion Battery Charger

### Lithium Ion Battery Charger Single Output Battery Charger for 10S Li-Ion



#### FEATURES

- Battery Type: Rechargeable Li-Ion battery
- Battery Pack: 10 cells in series
- Universal AC Input
- 5 different charging modes
  - Initial pre-charge
  - Pre-charge
  - Constant Current (CC)
  - Constant Voltage (CV)
  - Re-charge

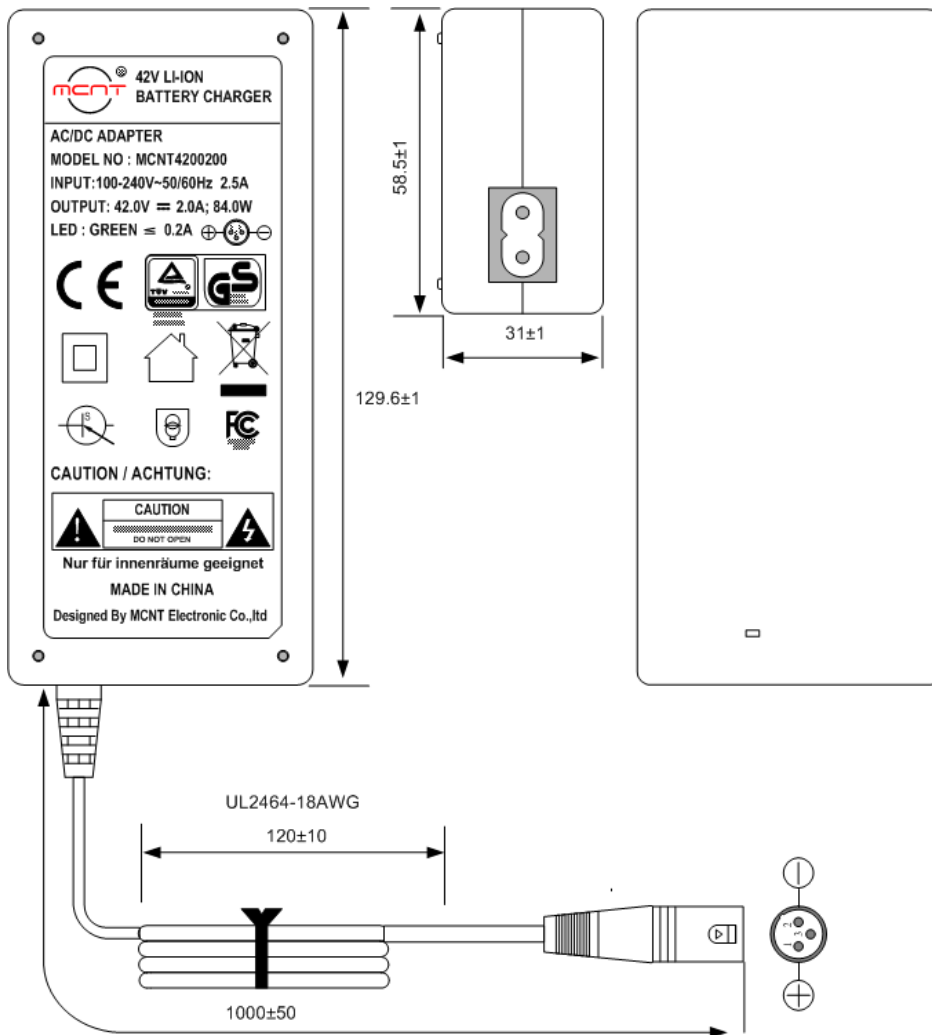
#### GENERAL SPECIFICATIONS

<b>Charger</b>	Model Number	MCNT4200200	
<b>Input</b>	AC Voltage Range	100 ~ 240 VAC	
	Frequency Range	50 ~ 60 Hz	
<b>Output</b>	Maximum Output Voltage	42V ± 0.2V	
	Maximum Output Current	2A ± 0.2A	
	Initial Pre-Charge Mode	Output Voltage	≤ 25V±1V
		Output Current	50mA approx.
	Constant Current Mode (CC)	Output Voltage	25-41V ± 0.5V
		Output Current	2A ± 0.2A
	Constant Voltage Mode (CV)	Output Voltage	41.5-42V ± 0.5V
		Output Current	≤ 2A
	Full-Charged Mode	Output Voltage	42V ± 0.2V
		Output Current	≤0.2A ± 0.1A
	No-load Mode	Output Voltage	42V ± 0.2V
		Output Current	0A
Recharged Mode	Output Voltage	41.5V ± 0.3V	
	Output Current	≤ 2A	
	Efficien	≥ 88%	
<b>Protection</b>	Short Circuit	Battery positive and negative short	
	Over Current	Charging Current ≥ 10.4 A	
	Over Voltage	Battery Voltage ≥ 43V	
	Under Voltage	Automatic - Stop charging	
	Over Charge	Automatic - Stop charging	
<b>Environment</b>	Operating Temperature and Humidity Range	0 ~ 40°C / 20 ~ 85% RH <i>Limited by battery specification</i>	
	Storage Temperature and Humidity Range	-20 ~ 70°C / 20 ~ 85% RH	
<b>Certificates</b>	Safety / EMC	UL GS TUV, SAA, PSE, KC, CE, FCC, UKCA	
<b>Mechanical</b>	Dimensions	L183mm x W100mm x H58mm	
	Weight	Approx. 810g	

### LED INDICATORS

LED	STATE	CONDITION
RED	ON	Power On - Battery Disconnected
RED	FLASH	Battery Error - Short Circuit or Over-voltage protection
ORANGE	FLASH	Initial Pre-Charge Mode
ORANGE	ON	Charging Mode (CC or CV)
GREEN	ON	Fully Charged

### MECHANICAL OUTLINE DRAWING



### OUTPUT CONNECTOR

