

# Lithium-ion Battery Charger for Electric bikes

54.6V 2A

www.intaia.com



## Features:

- Switch mode charger with universal input voltage
- For 48V 13 series cell Lithium batteries
- Multi-steps chargers feature pre-charging and wrong /bad battery identification
- LED indicator for charging status
- Automatic cut-off when battery attains full charge
- Backfeed protection(BFP)
- Protected against reverse polarity and short circuit
- Safety approvals UL/cUL GS/CE RCM PSE
- Meet DOE regulations efficiency Level VI

Model	O/P Voltage	O/P Current	Number of Batteries
IN5502000	54.6V	2A	13S

Input	
Input Voltage	100-240Vac
Input Frequency	47-63Hz
Input Current	2A Max
Earth Leakage Current	<1 mA at 240 Vac/50Hz
Power Factor	>0.6
No Load Input Power	<0.5W
Input Protection	Internal T3.15A/250V fuse in line

Output	
Load Regulation	+/-5% Max
Ripple & Noise	1-3% Max
Transient Response	0.5mS for 50% Load Change Typical
Holdup time	>8 mS at 115Vac @ full load
Protection	Reverse Polarity Protection
	Backfeed Protection(BFP)
	Short Circuit Protection

Mechanical	
Case Dimension	L153 x W60 x H36.5(mm)
Weight without power cable	0.4kgs

Electrical	
Dielectric Withstand	3000Vac Primary-Secondary
Leakage Current	<1 mA at 240Vac/50Hz
Efficiency	Meet DOE Level VI
MTBF	40.000 Calculated Hours at 25°C

Environmental	
Operating Temperature	-10°C - +40°C
Storage Temperature	-20°C - +85°C
Relative Humidity	5% - 95%
Cooling	Natural Convection Cooling

Safety Certification	
UL/cUL GS/CE RCM PSE	

EMC	
Emissions	EN55022, Class B
Harmonic currents	EN61000-3-2 Class A
Voltage Flicker	EN61000-3-3
ESD Immunity	IEC61000-4-2
Radiated Immunity	IEC61000-4-3
EFT Burst	IEC61000-4-4
Surge	IEC61000-4-5
Conducted Immunity	IEC61000-4-6
Dip & Interruptions	IEC61000-4-11



Dongguan Intai Power Supply Co., Ltd