



PRODUCT CATALOG

NANJING LONG_CONTROL ELECTRIC TECHNOLOGY CO., LTD.



LC-D100

材料: PC+ABS

material:

额定电压:

Rated voltage:

DC24V/36V/48V/60V

显示屏: FSTN超宽视角屏

display: FSTN EWV screen

静态功耗:

Static power consumption:

≤1W

防水等级:

Protection level:

Ip67

支持通信协议: 串口/linbus/蓝牙

support communication

protocol: serial

port/linbus/bluetooth

功能与特点:

Function and features:

电量显示

Power display

电机功率显示

Motor power display

速度显示

Speed display

里程显示 (包括单次里程和总里程显示)

Mileage display (including trip and ODO mileage display)

助力推行显示

Auxiliary pushing display

自动背光

Automatic backlight

自动大灯

Automatic headlight

错误代码显示

Error code display

参数设定

Parameter setting

蓝牙及蓝牙设备电量低状态显示

Bluetooth and Bluetooth equipment low power state display



规格

Specification: 57.7×36.1×61.7mm

通信

Communication: UART Default/Customize

端口

Port: USB

电压

Voltage: 24V/36V/48V

证书

Certificate: CE/ROHS

功能与特点:

Function and features:

电量显示

Power display

电机功率显示

Motor power display

速度显示

Speed display

里程显示 (包括单次里程和总里程显示)

Mileage display (including ODO and trip

mileage display)

故障代码显示

Fault code display



24V

36V

48V

LC-T400

LONG CONTROL

显示器类型:

Type of display: TFT

额定电压

Rated voltage: 24/36/48V/60V

显示屏: 全彩色3.5寸IPS高清

Display: full-color 3.5" IPS HD screen

支持CAN BUS 通信

Support CAN BUS communication

客户logo定制

Custom logo

安全保护: 可设置开机密码, 保护整车安全。

Safety protection: can set starting password, protecting safety of vehicle

速度显示:

Speed display

实时速度RT SPEED, 最大速度MAX SPEED, 平均速度AVG SPEED。

制式选择: 可设置公里/英里显示。

Standard selection: can set km/mile display

里程: mileage

累计里程ODO 单次里程Trip 骑行时间Riding duration

续行里程 (带电池通信功能)

Range mileage (with battery communication function)

时钟: 显示当前时间, 内置电池, 关机时间保持。

Clock: display current time, with built-in battery, hold time during downtime

功率指示: 实时显示输出功率, 可选择数字模式或者模拟 (图形) 模式。

Power indication: display output power in real time, can select digital mode or analogue (graph) mode.

故障指示: 显示故障码并有文字提示。

Fault indication: display fault code and have text prompt.

USB充电口, 可给移动设备提供额定充电电流

USB charging port can provide rated charging current to mobile equipment 500mA/5V.

蓝牙: 支持BLUETOOTH 4.0及蓝牙接近感应技术

Bluetooth: supports BLUETOOTH 4.0 and

Bluetooth approach sensing technology

程序可升级: 支持手机APP直接蓝牙升级

Scalable program: supports mobile APP direct Bluetooth upgrading

操作简单: 直观易用的人机菜单, 整车信息显示 (支持BMS通信的系统可显示完整的电池信息)。T400, 一款TFT彩屏显示仪表

Simple operation: straightforward human-machine menu, vehicle information display (the system supporting BMS communication can display complete battery information)

显示器类型:

Type of display: TFT

额定电压

Rated voltage: 24/36/48V

显示屏: 全彩色3.5寸IPS高清

支持CAN BUS 通信

Display: full-color 3.5" IPS HD screen, support CAN BUS communication

客户logo定制

Custom logo

安全保护: 可设置开机密码, 保护整车安全。

Safety protection: can set starting password, protection safety of vehicle.

速度显示:

Speed display

实时速度RT SPEED, 最大速度MAX SPEED, 平均速度AVG SPEED。

制式选择: 可设置公里/英里显示。

Standard selection: can set km/mile display



里程:

Mileage:

累计里程ODO

单次里程Trip

骑行时间 Riding duration

续行里程 (带电池通信功能)

Range mileage (with battery communication function)

时钟: 显示当前时间, 内置电池, 关机时间保持。

功率指示: 实时显示输出功率, 可选择数字模式或者模拟 (图形) 模式。

Clock: display current time, with built-in battery, hold time during downtime

Power indication: display output power in real time, can select digital mode or analogue (graph) mode

故障指示: 显示故障码并有文字提示。

Fault indication: display fault code and have text prompt.

USB充电口, 可给移动设备提供额定充电电流

USB charging port can provide rated charging current to mobile equipment 500mA/5V.

蓝牙: 支持BLUETOOTH 4.0及蓝牙接近感应技术

Bluetooth: supports BLUETOOTH 4.0 and Bluetooth approach sensing technology

程序可升级: 支持手机APP直接蓝牙升级

Scalable program: supports mobile APP direct Bluetooth upgrading

操作简单: 直观易用的人机菜单, 整车信息显示 (支持BMS通信的系统可显示完整的电池信息)。T400, 一款TFT彩屏显示仪表

Simple operation: straightforward human-machine menu, vehicle information display (the system supporting BMS communication can display complete battery information)

LC-D400

 LONG CONTROL

额定电压

Rated voltage: DC24V/36V/48V

显示屏: 3.5寸FSTN超宽视角屏

Display: 3.5" FSIN EWV

静态功耗

Static power consumption: $\leq 1W$

防水等级

Protection level: IP65

支持通信协议: 串口/CAN/蓝牙

Support communication: serial port/CAN/bluetooth

功能与特点:

Function and features:

电量显示

Power display

电机功率显示

Motor power display

速度显示

Speed display

里程显示 (包括单次里程和总里程显示)

Mileage display (including trip and ODO mileage display)

助力推行显示

Auxiliary pushing display

自动背光

Automatic backlight

自动大灯

Automatic headlight

错误代码显示

Error code display

参数设定

Parameter setting

蓝牙及蓝牙设备电量低状态显示

Bluetooth and Bluetooth

equipment lower power state display

USB 5v/1A充电

USB 5V/1ACharger

新增测量血压功能

Newly added blood
measurement functipn



尺寸

Dimension: 79mm

*49mm*29mm

重量

Weight: 200g

额定电压

Rated voltage: DC24V~48V

额定功率

Rated power: 250W~450W

欠压值

Undervoltage value:

DC19V, DC31.55V, DC41V ($\pm 0.5V$)

限流值

Current-limiting value:

15A~25A ($\pm 0.5A$)

静态功耗

Static power consumption: <2W



功能&特点

Function and features

体积小但负载能力强，能根据需要最大达到25A功率输出

Small size, large loading capacity, max power output is up to 25A as demanded

非零启动：非零软启动，保证骑行者的安全。

Non-zero start: non-zero soft start ensures safety of rider

刹车断电：刹车2米内断电，可根据客户要求设置。

Braking power off: power off within 2m braking distance, it can be set as requested by customer

低发热：采用先进的同步整流技术，大幅度降低控制器的热消耗，提高了整车的能量使用效率，延长了续航里程。

Low heating: adopt advanced asynchronous rectification technology, dramatically reducing heat consumption of controller, increasing energy consuming efficiency of vehicle, increasing range mileage.

超级省电模式：根据骑行者负载自动运算所需骑行电流，达到省电效率，并且能在刹车下坡是自发电，进入省电驱动状态。

Super power saving mode: automatically calculate needed current according to load of rider, achieving power saving efficiency, it can also generate power when braking at downhill, switching to power saving drive mode.

飞车保护：解决了无刷控制器由于转把或线路故障引起的飞车现象，提高了系统的安全性。

Overspeed protection: resolve overspeed resulting from brushless controller due to steering handle or circuit fault, imcreasing safety of the system.

限流保护：既做到平均限流值，又做到峰值限流。

Current-limiting protection: limit both average current and peak value current.

峰值限流在每个PWM周期中都对电流波形进行检测，防止超过MOSFET 的最大允许电流，在任何情况下不会烧毁。

Peak value current limiting detects waveform in every PEM cycle, preventing exceeding MOSFET max allowable current, ensuring no burning in any case.

短路保护：电机三根相线输出端任意两端或三端全短路，控制器不会烧毁。

Short-circuit protection: when any two or three output ends of three phase lines of the motor short-circuit, the controller won' t be burned.

自动休眠：停车5分钟无任何操作，自动断电，节省电池。

Automatic sleep: when vehicle is operated within 5 minutes after stopping, power is automatically off, saving battery.

通过检测：控制器所有指标符合EN15194的要求，通过检测率100%。

Pass test: all indicators of the controller conform to En15194,

Pass rate is 100%.



LC-1201/02

尺寸

Dimension: 149mm *49mm*29mm

重量

Weight: 300g

额定电压

Rated voltage: DC24V~48V

额定功率

Rated power: 250W~750W

欠压值

Undervoltage value: DC19V,DC31.55V,DC41V ($\pm 0.5V$)

限流值

Current-limiting value: 15A~25A ($\pm 0.5A$)

静态功耗

Static power consumption: <2W

功能&特点

Function and features

体积小但负载能力强，能根据需要最大达到25A功率输出

Small size, large loading capacity, max power output is up to 25A as demanded

非零启动：非零软启动，保证骑行者的安全。

Non-zero start: non-zero soft start ensures safety of rider

刹车断电：刹车2米内断电，可根据客户要求设置。

Braking power off: power off within 2m braking distance, it can be set as requested by customer

低发热：采用先进的同步整流技术，大幅度降低控制器的热消耗，提高了整车的能量使用效率，延长了续驶里程。

Low heating: adopt advanced asynchronous rectification technology, dramatically reducing heat consumption of controller, increasing energy consuming efficiency of vehicle, increasing range mileage.

超级省电模式：根据骑行者负载自动运算所需骑行电流，达到省电效率，并且能在刹车下坡是自发电，进入省电驱动状态。

Super power saving mode: automatically calculate needed current according to load of rider, achieving power saving efficiency, it can also generate power when braking at downhill, switching to power saving drive mode.

飞车保护：解决了无刷控制器由于转把或线路故障引起的飞车现象，提高了系统的安全性。

Overspeed protection: resolve overspeed resulting from brushless controller due to steering handle or circuit fault, imcreasing safety of the system.

限流保护：既做到平均限流值，又做到峰值限流。

Current-limiting protection: limit both average current and peak value current.

峰值限流在每个PWM周期中都对电流波形进行检测，防止超过MOSFET 的最大允许电流，在任何情况下不会烧毁。

Peak value current limiting detects waveform in every PWM cycle, preventing exceeding MOSFET max allowable current, ensuring no burning in any case.

短路保护：电机三根相线输出端任意两端或三端全短路，控制器不会烧毁。

Short-circuit protection: when any two or three output ends of three phase lines of the motor short-circuit, the controller won' t be burned.

自动休眠：停车5分钟无任何操作，自动断电，节省电池。

Automatic sleep: when vehicle is operated within 5 minutes after stopping, power is automatically off, saving battery.

通过检测：控制器所有指标符合EN15194的要求，通过检测率100%。

Pass test: all indicators of the controller conform to EN15194,

Pass rate is 100%.

LC-M1

编程器
Programmer



LC-P1

电源模块
DC Converter



定制控制器
Custom controller



LC-BT

蓝牙模块
Bluetooth module



APP

