FORTRUST®

INTELLIGENT BATTERY CHARGER

FCCD SERIES

INSTALLATION

INSTRUCTIONS



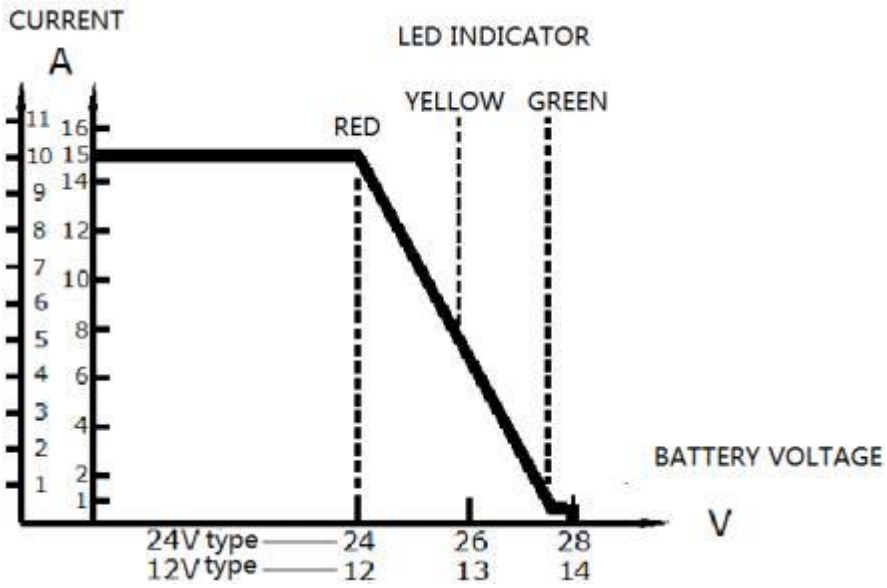
SHANGHAI FORTRUST POWER ELECTRIC CO.,LTD.

OVERVIEW

FCCD intelligent battery charger and power supply is designed for trickle charging most battery types and has a constant voltage/ constant current / characteristic. *The charger's stylish design includes three coloured LEDs<RED YELLOW & GREEN> to indicate charging status.*

PERFORMANCE & CHARACTERISTIC

INPUT VOLTAGE RANGE	160~250V AC(L-N)
INPUT FREQUENCY RANGE	20~100HZ (L-N)
OUTPUT CURRENT	10A at 12V
	6A at 24V
	10A at 24V
PROTECTION	SHORT CIRCUIT
	DC OVER VOLTAGE
	DC OVER CURRENT
OPERATION TEMPERATURE	-40~+50℃ (-40~+122℉)
HUMIDITY	20%~98%RH（no condensation）
LED INDICATOR	RED: Vbattery < 24V
(as the following chart)	YELLOW: 24V<Vbattery < 27.6V
	GREEN: Vbattery > 27.6V



1) RED: The first stage is named as 'constant current': when the battery voltage falls below the pre-set value;

2) YELLOW: The second stage is named as 'constant voltage': when the battery voltage exceeds the pre-set value, charging current will decrease with the rising of terminal voltage until the pre-set current value is reached;

3) GREEN: The third stage is named "float mode" then Chargers automatically return to float mode. As soon as charging current value falls below 0.2 A and the constant voltage value is reached, the battery is basically charged (charging indicator will extinguish). After that charging current will only neutralize the battery self discharge. Even long-term charging cannot harm the battery, as charger can keep the battery fully charged and so guarantee long lifetime of the battery.

ADVANCED FEATURES

There is diode and current-limiting circuit inner the charger, so it can be used together with charging generator,and there is no need to disconnect the charger when cranking .

CONNECTION

L: Connect terminals L and N to AC voltage (160~250)V using greater than BVR 1.5mm2 multi-strand copper line

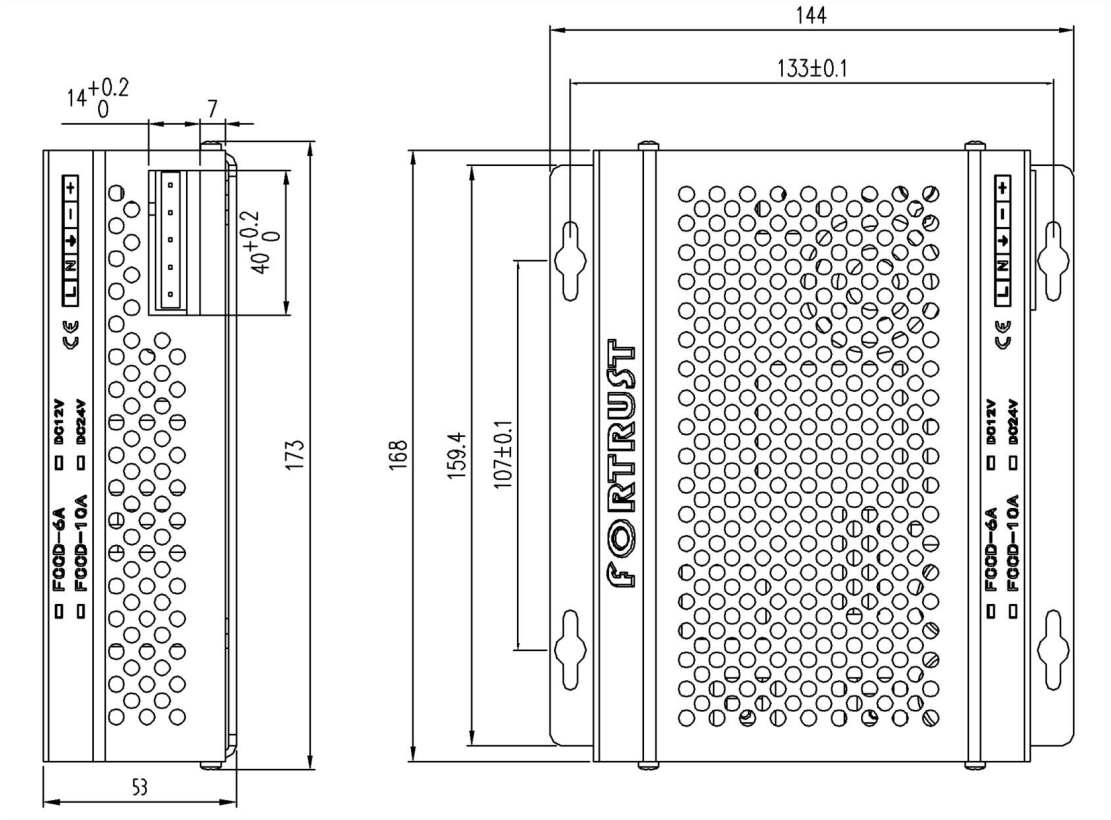
N: Connect terminals L and N to AC voltage (160~250)V using greater than BVR 1.5mm2 multi-strand copper line

⏚: Connect terminal ⏚ to earth

＋: Connect to battery positive （using greater than BVR 2.5mm2 multi-strand copper lines ）

－: Connect to battery negative （using greater than BVR 2.5mm2 multi-strand copper lines ）

DIMENSIONS



WARNING

This device is to be installed and operated by skilled and qualified personnel ONLY and in compliance with current standards to avoid damage and safety hazards。For use within specified parameters only. Ensure adequate air-flow over all sides of case. Do not install in proximity of explosive gasses or flammable materials. Isolate the AC input supply and battery before any connection or disconnection to the units terminals.

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